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UNITED STATES DEPARTMENT OF AGRICULTURE

BULLETIN No. 388

Contribution from the Office of Public Roads and Rural Engineering
LOGAN WALLER PAGE, Director

Washington, D. C. ▼ January 8, 1917

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PUBLIC ROAD MILEAGE AND REVENUES IN THE NEW ENGLAND STATES, 1914

A COMPILATION SHOWING MILEAGE OF IMPROVED AND UNIMPROVED ROADS, SOURCES AND AMOUNTS OF ROAD REVENUES, BONDS ISSUED AND OUTSTANDING, AND A DESCRIPTION OF THE SYSTEMS OF ROAD ADMINISTRATION, FISCAL MANAGEMENT, AND OTHER FACTORS AFFECTING ROAD IMPROVEMENT IN EACH STATE

Prepared jointly by the
Division of Road Economics of the Office of Public Roads
and Rural Engineering, and State Collaborators

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INTRODUCTORY.

Beginning with 1904, the policy of conducting at five-year intervals an investigation to determine the mileage of improved and unimproved roads, the revenues for road purposes, and related data, was adopted by the Office of Public Roads. In accordance with that policy Bulletin No. 32 was issued, giving such information as was obtainable for the calendar year 1904, and Bulletin No. 41 was issued, giving such information as was available for the calendar year 1909. The investigation made for the year 1914 followed somewhat different lines, as a closer cooperation with State highway departments was maintained, and wherever practicable the information was collected directly by collaborators named by the respective State highway departments and acting under specific instruction from this office. This policy was not practicable in connection with earlier bulletins, owing to the fact that many of the States have only recently established highway departments. The collaborators for the New England

States, who furnished valuable assistance in compiling the information for this bulletin, are as follows: For Maine, Lucius D. Barrows; for New Hampshire, Frank W. Brown; for Vermont, M. E. Shedd; for Rhode Island, Peter J. Lannon; for Connecticut, C. G. Nichols; and for Massachusetts, W. D. Sohier and T. N. Waddell. Similar bulletins have been prepared for publication for the Middle Atlantic States, the Southern States, and for the Middle Western and Western States.

WORKING PLAN AND SOURCES OF INFORMATION.

The method pursued in obtaining the information contained in this bulletin was as follows:

A series of card inquiry forms covering conditions in each State and designated A, B, C, and D, covering, respectively, mileage, taxation and revenues, administrative organization, and bond issues, was furnished to each State collaborator, and correspondence was then conducted by the collaborators under Government frank with the respective county and town officials. On account of the absence of detailed records in many of the towns, extreme accuracy is impossible, and because of the large amount of correspondence necessary to conduct the investigation considerable delay in the issuance of this bulletin has been unavoidable. The data on mileage and revenues should, therefore, be considered as approximate only. A summary sheet of each of the forms A, B, C, and D was prepared for each State as fast as the card forms were received from the State collaborators. These summaries, when completed, were forwarded to the respective State collaborators and to the heads of the State highway departments, who then prepared texts explanatory of the statistical tables and of the administrative systems in effect in their respective States, or approved the texts prepared in this office. The bulletin is issued, therefore, in the form of a series of chapters, each under the authorship or approval of the State official who has cooperated with this office in assembling the data.

ROAD ADMINISTRATION IN THE NEW ENGLAND STATES.

All of the New England States have highway departments and apply State funds to the aid of road improvement. This policy was inaugurated in Massachusetts in 1892, Connecticut in 1895, Vermont in 1898, Maine in 1901, Rhode Island in 1902, and New Hampshire in 1903. In Vermont the State aid law was enacted in 1898, but the State highway department was not established until 1906. Maine, Rhode Island, and Connecticut have trunk-line systems of roads built entirely at the expense of the State. Massachusetts, New Hampshire, and Vermont have trunk-line systems of roads built by the State, but the towns contribute toward the cost of their construction and maintenance.

Local road and bridge work, exclusive of State and State-aid work, is done by the towns through the town boards of selectmen in all of the New England States, the towns being political subdivisions of the counties. In a few cases, however, where the towns fail to construct or maintain the roads properly, the work is done by the county officials.

Detailed information as to the administration of public roads in each of the New England States is given in the chapters which relate respectively to the several States.

PUBLIC ROAD REVENUES.

The total revenues applied to roads and bridges in the New England States in 1914 amounted to $15,435,746.01, including State appropriations, amounts derived from local taxation, and expenditures from bond issues, both State and local. In 1904 the total revenues applied to this purpose amounted to $7,383,755.70, showing an increase in the 10-year period, 1905–1914, inclusive, of $8,051,990.31, or 104.6 per cent. Table 1 presents in condensed form the information assembled concerning revenues for the New England States for the year 1914, with comparative information for the year 1904.

TABLE 1.—*Revenues applied to roads and bridges, 1914 and 1904.*

State.	Total revenues applied to roads and bridges.		Increase in revenues over 1904.	
	1914	1904	Total increase.	Percentage of increase.
Maine	$2,642,006.79	$1,472,393.70	$1,169,613.09	79.43
New Hampshire	1,590,464.11	872,606.35	717,857.76	82.2
Vermont	1,023,941.01	567,397.33	456,543.68	80.46
Massachusetts	6,091,875.30	2,871,222.47	3,220,652.83	112.2
Rhode Island	446,496.05	405,010.85	41,485.20	10.2
Connecticut	3,640,962.75	1,195,125.00	2,445,837.75	204.6
Total	15,435,746.01	7,383,755.70	8,051,990.31	104.6

A comparison showing the average revenues for roads and bridges in the New England States per mile of road, per square mile of area, per capita, and per $100 of assessed valuation for the years 1904 and 1914 is presented in Table 2. This average does not indicate, however, the distribution of expenditures as between construction and maintenance.

TABLE 2.—*Relation of public road and bridge revenues to mileage, area, population, and assessed valuation, 1914 and 1904.*

State.	Revenues.							
	Per mile of road.		Per square mile of land area.		Per capita.		Per $100 of assessed value.	
	1914	1904	1914	1904	1914	1904	1914	1904
Maine	$112.25	$57.68	$88.37	$49.29	$3.55	$2.12	$0.633	$0.418
New Hampshire	113.44	57.72	176.11	96.62	3.69	2.12	.362	.427
Vermont	71.86	39.07	112.22	62.19	2.87	1.65	.462	.348
Massachusetts	326.08	167.99	758.00	357.40	1.81	1.02	.127	.092
Rhode Island	205.76	171.54	418.50	379.70	.82	.95	.072	.096
Connecticut	258.90	84.84	755.50	248.10	3.26	1.32	.350	.180
Weighted average	177.99	83.24	249.06	119.10	2.35	1.32	.204	.150

ROAD AND BRIDGE BONDS.

The total town and State highway road and bridge bonds outstanding on January 1, 1915, in the New England States, amounted to $20,565,522.82. Town bonds were issued in Massachusetts only and amounted to $1,606,022.82. Information in regard to bond issues by States is presented in Table 3. Detailed information showing bonds issued by towns in Massachusetts is shown in the chapter for that State.

TABLE 3.—*Road and bridge bonds outstanding.*

State.	Town bonds outstanding Jan. 1, 1915.	State highway bonds outstanding Jan. 1, 1915.
Maine	.....	$785,000.00
New Hampshire	.....	675,000.00
Vermont	.....	.....
Massachusetts	$1,606,022.82	8,699,500.00
Rhode Island	.....	1,800,000.00
Connecticut	.....	7,000,000.00
Total	1,606,022.82	18,959,500.00

ROAD MILEAGE.

The total mileage in the New England States, as of January 1, 1915, was shown by the detailed investigations to be 86,718, excluding streets in cities. Of this total, 18,038.78 miles, or 20.8 per cent, were reported as surfaced. This surfaced mileage is less than the surfaced mileage reported for 1909, but the returns are much more accurate than it was possible to obtain in 1909, and the difference should not be considered to indicate any neglect of the roads in the New England States, but rather to show that road statistics are now reaching the bed rock of exact record as a development from the method of approximation upon which we have had to rely in the past. Furthermore, streets in incorporated cities have been excluded more rigidly in the 1914 investigation than in that of 1909, and a higher standard

was maintained in the 1914 classification of surfaced roads than in the 1909 classification. Table 4 shows total and surfaced mileage for 1914, and the percentage of mileage surfaced in 1914, and 1909, respectively.

TABLE 4.—*Road mileage.*

State.	Total road mileage at close of 1914.	Miles surfaced at close of 1914.	Percentage surfaced.	
			1914	1909
Maine	23,537	2,762.36	11.74	10.10
New Hampshire	14,020	1,659.63	11.83	9.58
Vermont	14,249	1,442.03	10.12	18.40
Massachusetts	18,681	8,505.89	45.53	49.00
Rhode Island	2,170	693.42	31.95	49.14
Connecticut	14,061	2,975.45	21.16	21.09
Total and average	86,718	18,038.78	20.80	22.22

The relation of total mileage and surfaced mileage to area and rural population for the years 1914, 1909, and 1904 is presented in Table 5.

TABLE 5.—*Relation of total mileage and surfaced mileage to area and rural population,*

State.	Total mileage.						Surfaced mileage.					
	Per square mile of land area.			Per 1,000 rural population.			Per square mile of land area.			Per 1,000 rural population.		
	1914	1909	1904	1914	1909	1904	1914	1909	1904	1914	1909	1904
Maine	0.79	0.85	0.85	65.3	70.7	71.5	0.092	0.090	0.078	7.65	7.49	6.51
New Hampshire	1.55	1.67	1.67	79.9	86.2	81.5	.184	.160	.143	9.47	8.25	6.98
Vermont	1.56	1.58	1.59	76.2	77.0	71.0	.158	.291	.214	7.71	14.17	9.55
Massachusetts	2.32	2.15	2.13	77.5	71.6	71.7	1.058	1.053	.976	35.29	35.11	32.92
Rhode Island	2.03	1.99	2.21	120.8	118.1	112.9	.649	.977	.957	38.59	58.03	48.83
Connecticut	2.92	2.61	2.92	122.3	109.5	121.7	.617	.629	.490	25.89	26.39	20.39
Average	1.40	1.40	1.43	80.3	79.3	79.1	.291	.312	.271	16.44	17.63	14.97

TYPES OF SURFACED ROADS.

Of the 18,038.78 miles of surfaced roads in the New England States at the close of 1914, 10,896.08 miles, or 60.40 per cent, were gravel; 2,229.81 miles, or 12.36 per cent, macadam; 1,771.20 miles, or 9.83 per cent, bituminous macadam, including roads built by the mixing and penetration methods and surface treated; 1,113.43 miles, or 6.17 per cent, sand-clay; 41.80 miles, or 0.23 per cent, concrete; 1.38 miles, or 0.01 per cent, brick, and 1,985.08 miles, or 11 per cent, surfaced with other materials of which the classification was not given. The distribution of types of surfaced roads, as of January 1, 1915, is shown by States in Table 6.

TABLE 6.—*Types of surfaced roads.*

State.	Macadam.	Bituminous macadam.	Gravel.	Sand-clay.	Brick.	Concrete.	Miscellaneous.	Total.
	Miles.	*Miles.*	*Miles.*	*Miles.*	*Miles.*	*Miles.*	*Miles.*	*Miles.*
Maine	55.36	43.93	1,139.36	2.26	0.05	10.51	1,510.89	2,762.36
New Hampshire	61.87	154.26	1,013.70	270.90	.....	7.07	151.83	1,659.63
Vermont	1.94	.....	1,165.42	.....	.....	.....	[1] 274.67	1,442.03
Massachusetts	834.30	1,337.33	6,289.57	.....	.....	.....	44.69	8,505.89
Rhode Island	352.92	107.4	230.10	.....	.....	.....	3.00	693.42
Connecticut	923.42	128.28	1,057.93	840.27	1.33	24.22	.....	2,975.45
Total	2,229.81	1,771.20	10,896.08	1,113.43	1.38	41.80	1,985.08	18,038.78
Per cent of total surfaced	12.36	9.83	60.40	6.17	.01	.23	11.00	100.00

[1] Gravel telford.

The detailed tables, reference to which is made in the chapters devoted to the several States, will be found in the Appendix.

MAINE.

By LUCIUS D. BARROWS, *Collaborator.*

Maine has a land area of 29,895 square miles, a total road mileage of 23,536.91, and a population, according to the 1910 census, of 742,371. The State, therefore, has a population of 24.83 per square mile of area and 31.53 per mile of road, with 0.79 mile of road per square mile of area. Of the total population in 1910, 48.6 per cent, or 360,928, was rural, an average of 15.33 per mile of road.

The northeastern part of Maine, especially the eastern part of Aroostook County, is devoted almost entirely to farming. The western part of Aroostook County and the northern parts of Penobscot, Piscataquis, Somerset, Franklin, and Oxford Counties are largely wild lands. In these sections lumbering is the principal industry, and there are very few roads. A great many summer resorts are located along the Atlantic coast line from Kittery to Eastport, while many summer camps, sporting camps, and summer hotels are found along the rivers and on the inland lakes. Many people now come to Maine in the summer by automobile. This summer tourist travel and the great increase in the number of automobiles owned in the State, together with the need for good roads on the part of the farming districts, have given a great impetus to road building in Maine.

The State has many rivers and streams, and the construction and maintenance of bridges is no small problem. From an investigation made in 1907, it was learned that there are more than 6,800 bridges in the State. Many of the larger bridges have been constructed under special legislative appropriations.

State and State-aid highways and the maintenance of the same are under the direction of the State highway commission, consisting

of three members appointed by the governor with the advice and consent of the council. A chief engineer, who is required to be a civil engineer having experience in and knowledge of highway construction, is appointed by the commission with the approval of the governor and council. The chief engineer, under the direction and control of the commission, has general charge of all construction and maintenance work to which financial aid is extended by the State, and may, with the approval of the commission, employ necessary engineering and clerical assistance. State highways are constructed at the expense of the State from the proceeds of a bond issue of $2,000,000, authorized by the legislature of 1913. State-aid highways are constructed at the joint expense of the State and town. The amount of State aid apportioned to each town depends on the amount raised by the town, and is also limited by the valuation of the town.

State and State-aid highways are maintained at the joint expense of the State and town. The amount appropriated depends on the mileage and a rate per mile for State and State-aid highways as determined by the State highway law. Up to 1913 there was no systematic method for maintaining State and State-aid highways. A department of maintenance was organized by the State highway commission in 1913, which now looks after the maintenance of these roads. An effort will be made to increase the scope of this department so as to include a part of the town roads under its supervision at the joint expense of the State and town.

Maine now appropriates $300,000 annually for the construction of State-aid roads and $50,000 for the administration of the office of the State highway commission. Any surplus from the latter amount may be used for maintenance. The revenue received from the licensing and registration of automobiles is used to take care of the bond issue of $2,000,000, and any surplus not needed for this purpose may be used for maintenance.

In this State the town is the governmental unit in the local administration of road and bridge construction and maintenance. Appropriations for roads and bridges are made by vote of the people at each annual town meeting. These appropriations are expended under the general direction of a board of selectmen, consisting of three members, and under the immediate direction of a road commissioner appointed by the selectmen. The labor tax has been abolished.

REVENUES APPLIED TO ROADS AND BRIDGES.

The total revenue applied to roads and bridges in 1914 amounted to $2,642,006.79. Of this amount $978,786.57 was expended by the towns on town roads and bridges, and $1,663,220.22 was expended by the State highway commission from State aid, automobile funds,

special appropriations, State highway loan funds, and local funds. The amounts expended under the direction of the State highway commission are shown in the report of the commission for the year 1914, as follows:

	State.	Local.
Joint fund for construction of State-aid roads	$410,781.28	$338,051.48
State highway construction from State highway loan fund	763,143.09	
State-aid maintenance	59,949.50	31,667.17
State maintenance	12,858.34	4,120.40
Total for construction and maintenance of State and State-aid roads	1,246,732.21	373,839.05
Amount paid by the State		1,246,732.21
Amount paid by the towns		373,839.05
Administration of State highway department		42,648.96
Grand total expended under State highway department		1,663,220.22

The total revenue applied to roads and bridges in 1904 amounted to $1,472,393.70, thus indicating an increase in the 10-year period of $1,169,613.09, or 79.43 per cent. Information regarding rates of taxation and amounts obtained from town taxes for town roads and bridges during 1914 is shown in Table 7.

ROAD AND BRIDGE BONDS.

The towns of Maine have no road and bridge bonds outstanding. On September 1, 1913, the State issued $300,000 of State highway bonds and on July 1, 1914, additional State highway bonds amounting to $492,500 were issued, making a total of $792,500. One bond of $7,500 was paid on September 1, 1914, which left a total outstanding on January 1, 1915, of $785,000. These bonds bear 4 per cent interest and are to be retired by the serial plan. The bonds issued September 1, 1913, are to be retired at the rate of $7,500 annually between September 1, 1914, and September 1, 1953. The issue of July 1, 1914, falls due annually in equal amounts of $11,500 between July 1, 1915, and July 1, 1954. The State law provides that the interest and the bonds are to be paid from automobile registration fees and that not more than $500,000 may be issued in any one year, provided that the total amount outstanding never shall exceed $2,000,000.

ROAD MILEAGE.

At the close of the year 1914, Maine had 23,536.91 miles of public road, of which 2,762.36 miles, or 11.74 per cent, were surfaced. Of the surfaced roads, 43.93 miles were bituminous macadam, 55.36 miles macadam, 1,139.36 miles gravel, and 1,523.71 miles of other materials, of which the classification was not given, except as follows: brick, 0.05 mile; concrete, 10.51 miles; sand-clay, 2.26 miles.

In 1909 Maine had 2,592.09 miles, or 10.1 per cent, of roads surfaced, thus indicating an increase in the five-year period, 1909–1914, of 170.27, miles, or 1.64 per cent.

The mileage figures for 1914 are presented by counties and towns in Table 16.

NEW HAMPSHIRE.

New Hampshire has a land area of 9,031 square miles, a total road mileage of 14,020.10, and a population, according to the 1910 census, of 430,572. The State, therefore, has a population of 47.67 per square mile of area and 30.71 per mile of road, with 1.55 miles of road per square mile of area. Of the population in 1910, 40.8 per cent, or 175,473, was rural, an average of 12.51 per mile of road.

In 1905 the governor and council were authorized by law to appoint a State engineer and such other engineers as might be deemed necessary for the purpose of carrying on road work undertaken by the State. In 1915 a new act was passed empowering the governor and council to appoint a highway commissioner skilled in the construction and maintenance of highways. The highway commissioner exercises general supervision, control, and direction, on behalf of the State, over all matters pertaining to the location, construction, and maintenance of highways now or hereafter built or maintained, either in whole or in part, with money appropriated from the State treasury. He is vested with power to fix or decide all matters pertaining to the location and route of any such highways, methods of construction, materials, manner in which such highways shall be maintained, and all other matters pertaining thereto, including award of contracts. Appeals may be taken from his decision to the governor and council. The highway commissioner was authorized to designate a system of cross-State highways for improvement, the cost to be borne one-half by the State and one-half by the town, city, or place within which such road is located, provided that where the town is financially unable to pay one-half of such cost, the State may pay such further sums in addition to its one-half as the State highway commissioner may deem equitable. Any cross-State highway may be improved by the city, town, or place within which it is located at the expense of the city, town, or place, and to the satisfaction of the State highway commissioner. in which event the State shall reimburse such city, town, or place.

Under an act passed in 1913, a system of trunk-line highways was designated for improvement by the governor and council and an issue of State bonds was authorized to meet the cost, but cities and towns through which such highways passed were to pay one-half the cost, less such portion thereof as the governor and council might deem equitable in towns unable to pay their share. By an act of 1903 a system of State highways was outlined for improvement and

maintenance at the sole expense of the State, and appropriations were made therefor.

Each town is required to set apart for the permanent improvement of its main highways, to be done under the advice of the State highway commissioner, and to which the State is to contribute aid, an amount varying from $1 on each $1,000 of assessed valuation where the valuation is less than $2,000,000, to 25 cents on each $1,000 of assessed valuation where the valuation is $15,000,000 and upward. The amount appropriated by the State for State aid is required to be apportioned by the governor and council to each city, town, and unincorporated town or place which has applied for State aid in proportion to the amount locally set aside in accordance with the above provisions. The apportionment varies according to assessed valuation from $3 for each $1 so set apart, where the valuation is less than $100,000, to 20 cents for each $1 so set apart, where the assessed valuation is $3,000,000 and upward. Applications for State aid each year are required to be made on or before May 1. Money locally so raised, together with the amount apportioned by the governor and council, constitutes a joint fund for the permanent improvement of such main highway in accordance with plans and specifications prepared by the highway commissioner. Where the joint fund exceeds $1,000, the work shall be done by contract.

The boards of selectmen of the several towns have general charge and supervision of all matters pertaining to roads and bridges in their respective towns. Under certain conditions, a petition for laying out or altering a road may be filed in the office of the clerk of the supreme court and the court may refer such petitions to the county board of commissioners for investigation and report. The county board of commissioners has jurisdiction over roads and bridges in unincorporated towns and places. At the annual election each town shall elect one or more, not exceeding three, highway agents, or may instruct its selectmen to appoint a highway agent, who, under the direction of the selectmen, shall have charge of the construction and repair of all highways and bridges within the town.

Towns may authorize the selectmen to contract for keeping their highways and bridges, or any part thereof, in repair for a term of not exceeding five years. Each town is made to constitute a highway district, but may be divided into smaller districts in charge of a surveyor of highways.

Each town shall, at its annual meeting, raise and appropriate for the repair of highways and bridges a sum not less than one-fourth of 1 per cent of the valuation of the polls and ratable estate on which other taxes are assessed by the towns and as much more as the town may deem necessary, but no town shall be required to raise more than $50 per mile for the repair of roads and bridges. The supreme court,

on petition and notice to the county commissioners, may order any part of the expense of repairing a highway paid by the county when the whole would be burdensome to the town or when the county convention has recommended such order. When the expense of rebuilding or repairing a highway is excessively burdensome to the town in which it is situated, the supreme court, upon petition and proceedings thereon, as in the case of laying out a highway, may order a portion of such expense paid by the other towns that will be benefited thereby.

All the moneys obtained from automobile licenses are awarded by the highway commissioner to the respective towns for the purpose of maintaining the roads previously built under the State-aid law, or built under trunk-line appropriations. This money is divided 65 per cent to trunk lines and 35 per cent to State aid. The highway commissioner notifies each town of the amount estimated as necessary to maintain its State-aid and trunk-line roads for the coming season, and adds to this apportionment certain sums, provided the town raise a fixed sum. This fund is expended under the direction of the State highway commissioner.

REVENUES APPLIED TO ROADS AND BRIDGES, 1914.

The total revenues applied to roads and bridges in 1914 amounted to $1,590,464.11, comprising the following items: Town appropriations for town roads, $788,291.11; contributions by towns to State-aid roads, $301,288; State contributions to State-aid roads, $491,520; and expenditures by State for work done solely at State expense, $9,365. Of the $491,520 contributed by the State for State-aid work, $271,767 was for construction, $157,155 was for maintenance, $11,995 for administration, and $50,603 for miscellaneous equipment. Of the $301,288 contributed by the towns, $225,000 was for construction and $76,288 was for maintenance.

The total revenues applied to roads and bridges in 1904 amounted to $872,606.35, of which the State contributions were $44,000. It thus appears that the revenues applied to this purpose increased in 1914 over 1904 $717,857.76, or 82.2 per cent.

The amounts appropriated by towns for town roads are shown by counties and towns in Table 8.

ROAD AND BRIDGE BONDS.

According to the report of the State auditor, there was outstanding, September 1, 1914, a total of $675,000 of State highway bonds. These bonds are deferred serial in character, payable between 1915 and 1924, and bear 3 to 3½ per cent interest.

ROAD MILEAGE, 1914.

According to the reports from the towns, New Hampshire had, at the close of the year 1914, a total of 14,020.10 miles of public road, of which 1,659.63, or 11.83 per cent, were surfaced. Of the surfaced roads 1,013.7 miles were gravel, 270.9 miles sand-clay, 154.26 miles bituminous macadam, 61.87 miles macadam, 7.07 miles concrete, and 151.83 miles of materials not classified as to type.

In 1909, New Hampshire reported a total of 1,448.48 miles, or 9.58 per cent, of surfaced roads, thus indicating an increase in the 5-year period of 211.15 miles.

The mileage figures for the year 1914 are presented by counties and towns in Table 17

VERMONT.

Vermont has a land area of 9,124 square miles, a total road mileage of 14,248.66, and a population, according to the 1910 census, of 355,956. The State, therefore, has a population of 39.01 per square mile of area and 24.98 per mile of road, with 1.55 miles of road per square mile of area. Of the population in 1910, 52.5 per cent, or 187,013, was rural, an average of 13.12 per mile of road.

A State highway commissioner is appointed biennially by the governor, with the advice and consent of the senate. He controls and directs the expenditure of all moneys appropriated by the State or apportioned to towns or incorporated villages for highway improvement. He appoints annually, with the advice and consent of the governor, a supervisor for each county, who, under his direction and control, assists in supervising the expenditure of State road funds and in the construction and inspection of roads that have been or may be built with State money.

All money appropriated by the State is required to be expended for improving permanently that main thoroughfare in each town selected by the selectmen and town road commissioners, subject to the approval of the State highway commissioner. Such roads are known as State roads and are required to be selected with a view to securing trunk lines of improved highways. The location of each year's work, plans and specifications therefor, and the appointment of foremen to have charge of the work, are determined by the State highway commissioner after consulting selectmen and road commissioners. The State highway commissioner has the same powers in all matters pertaining to highways and bridges in unorganized towns and gores as have selectmen and road commissioners in organized towns.

Appropriations are made by the legislature for apportionment by the State highway commissioner to cities and towns, excluding incorporated villages, the basis of apportionment being that the State shall

duplicate such amount as may be voted by the town in excess of the amount otherwise required by law to be raised, provided the town so raises not less than $100 nor more than $1,000. An appropriation is made annually as a "bridge fund" to enable the State highway commissioner to furnish engineering assistance to the town selectmen in building, rebuilding, or repairing bridges on selected or State roads. A State highway tax of 5 cents on the dollar is assessed annually upon the "grand list," which is arrived at by taking 1 per cent of the assessed valuation. The revenues derived therefrom are apportioned to the towns and incorporated villages by the State treasurer in the ratio of the highway mileage of such town or incorporated village to the total road mileage of the State.

The net revenues from automobile registrations and licenses are set apart as a maintenance fund to be expended only for repair and maintenance of main thoroughfares and State roads. Towns are required to appropriate annually a sum not less than one-fifth of their grand lists to keep highways in repair. No part of the funds raised from town or State highway taxes or appropriated by the State for highway improvements shall be used in repairing, building, or rebuilding bridges or culverts, or the approaches thereto, which exceed 4 feet span. These shall be under the exclusive control of the selectmen, who shall repair and rebuild them when necessary with funds to be raised in the general town tax.

Selectmen have jurisdiction over the laying out, alteration, discontinuance, and working of roads and bridges in their respective towns. A town road commissioner is elected by the town for the purpose of superintending the expenditure of the highway tax and having charge of keeping in repair the highways of the town. A town may elect two road commissioners, in which event the selectmen shall divide the town into two highway districts, one in charge of each commissioner. The county court in each county appoints annually three county road commissioners. If a highway or bridge be out of repair or unsafe, any three citizens or taxpayers of a town may give notice thereof to a selectman, and if the necessary repairs are not then made, complaint may be filed with one of the county road commissioners, who may order the necessary repairs made at the expense of a town within a specified time if the selectmen, after notice, neglect to do so.

If a town in which the tax for town purposes, except for schools, together with the money expended on its highways in the preceding 5 years, has averaged at least $1.50 on the dollar of its grand list, believes it is excessively burdened by being required to build, rebuild, or repair a highway or bridge wholly in such town, and other town or towns would be especially benefited by the use of such highway, the town so burdened may petition the county court for commissioners

to hold hearings, and, if justified, assess not exceeding one-half of the cost to the State and the balance to the petitioning town. The commissioners shall report their findings to the county court and the court shall render judgment thereon.

The working of county prisoners on the public highways is authorized by law.

REVENUES APPLIED TO ROADS AND BRIDGES.

All funds applied to roads and bridges in 1914 amounted to $1,023,941.01, of which the towns raised $617,327.79 and the State contributed from appropriations and automobile revenues a total of $406,613.22.

Of the amount raised by the towns, $388,542.63 was for construction and maintenance of town roads, $16,346.42 for resurfacing of town roads, $96,754.36 was raised under the 5 per cent State road tax, and $115,684.38 was contributed by the towns for State-aid roads. These items do not include expenditures for the construction and maintenance of culverts and bridges over 4-foot span, or for snow removal, or for winter roads. Appropriations for these purposes are made from town funds, and no records of the amounts expended are available.

The amounts contributed by the State are for the fiscal year ended June 30, 1914, and are shown in the State auditor's report for 1914, as follows:

Salary and expenses of State highway commissioner	$7,153.59
Salary and expenses of county supervisors	19,347.60
State aid to towns	10,000.00
Permanent highway work (appropriation)	272,847.04
Automobile maintenance fund (paid to towns)	70,852.12
State funds expended on bridge work	5,360.87
Elimination of grade crossings (State's share)	21,052.00
Total	406,613.22

The total revenue applied to roads in 1904 amounted to $567,397.33, of which the towns raised $440,016.12 and the State appropriated $127,381.21. Thus revenues for roads and bridges increased $456,543.68, or 80.4 per cent. No bonds were reported as issued or outstanding.

Information regarding receipts from town taxes for town and State-aid roads is presented in Table 9.

ROAD MILEAGE.

According to reports collected from the towns by the collaborator, Vermont had at the close of 1914, 14,248.66 miles of public road, of which 1,442.03 miles, or 10.12 per cent, were surfaced. Of the surfaced roads 1,165.42 miles were gravel, 274.67 miles gravel-telford, and 1.94 miles of macadam. According to the 1909 report, Vermont

had 14,406 miles of public road, of which 2,650.63 miles, or 18.40 per cent, were reported as surfaced, thus indicating a loss in surfaced mileage for the 5-year period of 1,208.6 miles. The 1914 information was obtained from town officials by the collaborator, and it is believed that it is much more reliable than the figures furnished for 1909, and the difference should therefore not be attributed to any failure on the part of the State or the towns to give adequate attention to the roads. No reports were obtained as to the mileage of graded and drained roads.

Information showing the total mileage and the mileage surfaced for each town in the State is presented in Table 18.

MASSACHUSETTS.

Massachusetts has a land area of 8,039 square miles and a population, according to the 1910 census of 3,366,416. The total mileage of roads outside of cities in 1914 was reported as 18,681.40. The State has a population of 418.8 per square mile of area and 180.2 per mile of road, with 2.32 miles of road per square mile of area. Of the population in 1910, only 7.2 per cent, or 241,049, was rural, thus indicating a rural population of 12.90 per mile of road. There are 36 cities, 14 counties, and 317 towns in the State, the towns being political subdivisions of the counties.

HIGHWAY LAWS.

There is practically no unincorporated land in Massachusetts. Many of the towns were organized before the State and the representatives of the towns met and adopted a form of constitution. There were no cities until 1820, when a constitutional amendment was passed authorizing the legislature to give a city charter to towns of more than 12,000 inhabitants.

All of the highways within the limits of a city or town were originally under the jurisdiction of the city or town, and had to be built and maintained by them.

In general, the highways in Massachusetts are divided into three classes, as follows: State highways, county highways, and city or town ways. The county, city, or town ways are cared for by the municipal authorities, viz, superintendents of streets, road commissioners, and highway surveyors. The provisions in cities vary, the jurisdiction being sometimes placed in boards of commissioners and sometimes in boards of aldermen. The appropriations for either improvements or repairs are made by the city government or at a town meeting.

County commissioners, upon proper petition and after due hearing, have authority to lay out new ways or to widen and improve existing ways and order specific repairs, or may make such repairs themselves

and determine what part of the cost thereof shall be paid by the city or town benefited. The county assesses a tax on the municipalities, and this tax, as well as the State tax, is collected by the towns and cities in connection with the municipal tax.

Cities and towns acting through their proper authorities also have authority to lay out and construct new ways and to widen and improve existing ways, and naturally can direct their improvement and appropriate money therefor.

HIGHWAY COMMISSION.

The Massachusetts highway commission was established in 1893. It consists of three members appointed by the governor with the advice and consent of the council, to serve for a term of three years, one term expiring each year. Its duties in relation to highways are twofold; first the collection and collation of statistics as to road materials, etc., the making of maps, designation of highways, and the giving of advice on road matters to the various authorities throughout the Commonwealth who have charge of road building or road maintenance; and, second, the laying out and construction of State highways and the improvement of certain town roads.

STATE HIGHWAYS.

Since 1894 appropriations have been made by the legislature for the construction of what are known as State highways. The total length of State highways at the end of 1914 amounted to 1,039.07 miles. The money is raised by a bond issue, usually authorized in 5-year periods. The highway commission may lay out as a State highway a new or existing way in any city or town upon petition of the city government, board of selectmen, or the county commissioners. When so laid out it is maintained by the commission and the commission has entire jurisdiction over it, even to the extent of determining the location of water and gas mains, poles, and other structures. A road becomes a State highway when copies of the petition, layout plan, and adjudication are filed in the offices of the clerk of the county commissioners and the clerk of the city or town.

When a State highway is laid out and constructed by the commission, the county in which it is located repays to the Commonwealth, within 6 years, 25 per cent of the cost of construction, and the towns and cities repay to the Commonwealth from $50 to $500 a mile a year on account of maintenance, according to valuation, provided twice as much is spent.

SMALL-TOWN ROADS.

The commission may spend 15 per cent of the amount appropriated for State highway construction under the so-called small-town act as follows: Five per cent in towns of less than $1,000,000 valuation upon

petition, the towns making no contribution; 5 per cent in towns of less than $1,000,000 valuation upon petition, the town contributing an equal amount; and 5 per cent in towns of more than $1,000,000 valuation upon petition, the town contributing an equal amount. These roads remain town ways, and the towns are responsible for their maintenance and for any accident which may happen thereon. The commission has authority, however, to repair such roads and to charge back to the towns in which they are located the cost of the repairs, not to exceed $50 a mile a year.

EXPENDITURES FOR STATE HIGHWAYS AND SMALL TOWN ROADS.

From the time improvement of highways was started under the highway commission up to November 30, 1915, the Commonwealth has expended $12,167,800 in the construction of State highways and work under the small-town act, including the planting of trees. There were 1,039 miles of State highway November 30, 1914, and 1,101 miles April, 1916, located in 329 cities and towns. About 482 miles of road have been improved under the small-town act, and 265 miles under the motor-vehicle fees fund act.

REVENUES APPLIED TO ROADS.

In 1914 the towns expended $3,839,094.23 for highway construction and maintenance. The State highway commission expended for repair, maintenance, and construction of highways in towns, exclusive of the cost of administration of the State automobile department, $2,252,781.07, making a total of $6,091,875.30. The appropriations by towns comprised the following items: for highway construction, $1,295,198.40; highway repairs, $2,182,104.25; for bridge construction, $135,983.05; bridge repairs, $61,182.77; amount paid State for State highways covering towns' share of cost, $126,759.43; amount paid by towns to counties for county highways, $37,866.33. The expenditures by the State highway commission for State highways in towns and exclusive of cities comprised the following items: for construction, $878,235.16; for construction under small-town act, $114,689.61; for road repair and maintenance, $314,489.41; for repair and maintenance of town and county ways under motor-vehicle fees fund, $167,614.74; repair and maintenance of State highways under motor-vehicle fees fund, $426,299.30; for general expenses of the highway commission, $71,322.37; expenditures under special acts, $280,130.48.

The State highway commission also spent in 1914, for construction, repair, and maintenance in cities, $212,837.76, and the cities themselves spent a total of $6,693,206.83, making a grand total for highways and city streets of $12,997,919.89.

In 1904 the total revenues applied to roads outside of cities amounted to $2,871,222.47, of which $2,295,616.48 was spent by the towns and $575,605.99 by the State, thus showing an increase in this 10-year period of $3,220,652.83, or 112.2 per cent. The town revenues applied to roads and bridges, outside of cities, in 1914, are shown by counties and towns in Table 10. City revenues applied to city streets, in 1914, are shown in Table 11.

ROAD AND BRIDGE BONDS.

The total road and bridge bonds and notes outstanding on January 1, 1915, amounted to $10,305,522.82, of which $8,699,500 were issued by the State and $1,606,022.82 by the towns. State bonds issued between 1894 and 1904 were sinking-fund bonds maturing 26 to 30 years from date of issue. All State bonds issued since 1904 are deferred serial, with the first payment falling due from 3 to 11 years from date of issue, and the last payment from 9 to 30 years from date of issue. All State bonds bear from 3 to 3½ per cent interest.

Of the money derived from town bonds and notes, there was expended in 1914 a total of $440,639.50, and notes amounting to $328,999.33 were retired by the towns in the same year. New notes were issued by the towns to the amount of $511,437.25. Most of these are serial in character and are paid off in equal annual amounts between the first and fifth years from date of issue, although some are to be paid in less than a year, while the last payment on others extends to the twentieth and thirtieth years. Town bonds issued in 1914 bear from 3 to 6 per cent interest, depending upon date of maturity.

Information in regard to State highway bonds is presented in Table 14. Town road and bridge bond information is contained in Table 15.

ROAD MILEAGE.

Information furnished by the Massachusetts highway commission indicates that at the close of the year 1914 Massachusetts had, outside of incorporated cities, 18,681.4 miles of public road, of which 8,505.89 miles, or 45.53 per cent, were surfaced. Of the surfaced roads, 834.30 miles were macadam, 1,337.33 bituminous macadam, 6,289.57 gravel, and 44.69 of various types. The cities had 4,349.44 miles of streets, of which 3,812.26 miles, or 86.76 per cent, were surfaced as follows: 1,464.61 miles gravel, 1,183.85 plain macadam, 430.06 bituminous macadam, and 404.25 of various classes.

According to the information furnished for 1909, Massachusetts had 17,272 miles of public roads outside of cities, of which 8,463.18 miles, or 49 per cent, were surfaced, thus indicating a gain in the 5-year period of only 45.53 miles in surfaced road. This small gain probably is due to the fact that in some cases improved or

surfaced city streets may have been included as county roads in 1909 and that city streets were, in some cases, excluded from the total mileage.

Information showing the total mileage and the mileage of surfaced roads outside of cities at the close of 1914 is shown by counties and towns in Table 19.

RHODE ISLAND.

By Peter J. Lannon, *Collaborator.*

Rhode Island is the smallest and one of the most densely populated States in the Union. It has a land area of 1,067 square miles, a total road mileage of 2,169.70, and a population, according to the 1910 census, of 542,610. The State, therefore, has a population of 508.5 per square mile of area and 250 per mile of road, with 2.03 miles of road per square mile of area. Of the 1910 population, 3.3 per cent or 17,956 was rural, thus indicating a rural population of 8.28 per mile of road. The State is not well provided with good road materials. A magnetic iron ore ranks as the best and granitic rock and trap are next in value. Puddingstone and conglomerate and gravel form a fair material for road use.

THE STATE ROAD SYSTEM.

The present board of public roads created in 1902 was the outgrowth of the joint committee appointed in 1892 and the highway commissioner appointed in 1896 and abolished in 1902. The board consists of 5 members appointed by the governor and serving 5 years each. They have charge of the construction and maintenance of all State roads and of the bridges on these roads. Seven hundred miles have been selected as the State roads, but only 325 miles are legally under State control. The roads become State roads only when they have been improved or reconstructed by the State board. The State bridges are repaired and reconstructed by the board and the cost paid by them in the first place and then a proportion of the cost charged against the cities or towns in which the bridge lies, but the State is obliged to pay 50 per cent of this cost. Public utility companies using the bridges also are assessed for a portion of the cost.

In addition to the 325 miles of State road there are 1,844 miles of local roads. Of the State roads, 89 miles are bituminous macadam and the rest surface-treated waterbound macadam.

All construction is done by contract and the State maintains waterbound macadam by the patrol system and a yearly oiling. Bituminous macadam is maintained by section gangs. Convicts are not used.

The State board derives its revenue from appropriations, bond issues, and the automobile fines and fees. From 1903 to 1914 there

was expended under the State board of public roads a total of $3,641,032.83 for construction, repair, and maintenance of State and State-aid roads. There is no direct tax for State roads.

STATE AID.

Whenever a town makes an appropriation equal to or more than 20 cents on the $100 valuation and directs that the money shall be spent under the direction of the State board, it shall be entitled, according to the law of 1910, to State money aid equal to one-fifth of the money appropriated by the town.

THE LOCAL ADMINISTRATION.

The administration of local roads, other than State roads, is vested in the towns or cities themselves. There is no county administration. There is no direct tax. The money for roads and bridges is spent from the general fund. The taxpayers make an appropriation for roads and bridges and this is spent by the road commissioner or highway committees, either elected by the people or appointed by the town council, or the towns are divided into road districts and a commissioner is appointed for each district by the town council. In some towns the members of the town council are the highway commissioners and take care of their own districts.

REVENUES APPLIED TO ROADS AND BRIDGES, 1914.

In 1914 the total revenues applied to roads and bridges amounted to $446,496.05, of which the State funds amounted to $202,496.05, and the town funds $244,000. Of the State funds, $5,000 was for office and traveling expenses of the State board of public roads, $168,981.56 derived from automobile registrations and other sources was for the maintenance and repair of State roads, $4,920.71, balance on hand, expended for construction of State highways, and $23,593.79 for bridge construction and repair.

The total revenues applied to roads in 1904 amounted to $405,010.85, thus showing an increase for the 10-year period of $41,485.20, or 10.2 per cent. Of the total revenues applied to roads in 1904 the town revenues amounted to $297,414.71 and the State revenues to $107,596.14.

Information in regard to town revenues devoted to roads and bridges in 1914 is shown in Table 12.

ROAD AND BRIDGE BONDS.

No bonds have been issued by counties or towns, but the State has issued $1,800,000 of bonds for the purpose of building State roads, $600,000 having been authorized in each of the years 1906, 1909, and 1912. These are sinking-fund bonds issued for 30 years and bear interest at the rate of 3, 3½, and 4 per cent, respectively.

ROAD MILEAGE, 1914.

According to reports received from the towns, Rhode Island, at the close of 1914, had 2,169.70 miles of public road, of which 693.42 miles, or 31.95 per cent, were surfaced. Of the surfaced roads 352.92 miles were macadam, 107.40 bituminous macadam, 230.10 gravel, and 3 miles granite block. According to the 1909 report, the State had 2,120.75 miles of public roads, of which 1,042.07 miles, or 49.14 per cent were surfaced, a decrease in surfaced mileage for the 5-year period of 348.65 miles. This apparent decrease probably is due to overestimates in 1909.

Information in regard to road mileage for each town in the State is shown in Table 20.

CONNECTICUT.

By C. G. Nichols, *Collaborator and Chief Clerk, Connecticut Highway Department.*

Connecticut has a land area of 4,820 square miles, a total road mileage of 14,060.82, and a population, according to the 1910 census, of 1,114,756. There is a population of 231.3 per square mile of area, and 79.28 per mile of road, with 2.92 miles of road per square mile of area. Of the population in 1910, 10.3 per cent, or 114,917, was rural, or 8.17 per mile of road.

The State has 8 counties, 157 towns (or townships), 10 cities, and 1 borough. Within the boundaries of 33 of the towns there are 9 additional cities and 24 boroughs. In these latter cases, however, the city or borough and the town lines are not coincident, but are really incorporated communities separate and distinct from the town government. From this system of creating such communities within towns comes the expression "New England's borough system," which affords certain complications in the apportioning of money for road and bridge purposes. The plan adopted generally in these cases is for the town, through its proper officials, to apportion to the city or borough a certain sum for construction and maintenance of roads within the borough limits.

ROAD ADMINISTRATION.

There are three county commissioners in each county. If any town neglects or refuses to maintain roads properly, petition may be filed with the county commissioners, who, after a hearing, may order the town to make necessary repairs. The town failing, the commissioners may have the work done and charge the expense to the town. All road matters in towns are under the jurisdiction of the board of selectmen, usually three in number, unless the town has placed the control of highways in the hands of a superintendent of streets, a highway commissioner, or similar official. The larger towns are gradually adopting the "centralized authority" feature of road

work, with the result that in several instances road matters have been removed from the hands of the selectmen.

Generally the towns do not levy a special road tax. At the town meeting, in most cases held the first Monday in October each year, a budget tax for all town purposes is levied. Part of the income from this tax is applied to roads. In a few of the larger towns there are boards of finance, the members of which attend to all matters of taxation, the apportioning of money, etc.

Until 1895 the State made no definite effort to control or assist in the work of road construction or maintenance. The General Assembly of 1895 created a highway commission of three members, and enacted the first State-aid law. The first appropriation by the State was $75,000. This law provided that the cost of improvement of roads should be on the basis of one-third each by State, county, and town. The legislature of 1897 abolished the triple-headed commission and created the office of State highway commissioner. The counties were removed as a contributing factor, and the cost of improvements was to be paid one-half each by town and State. From year to year changes were made in the law and at present the basis of payment is as follows: In towns having a grand list of $1,250,000 or more the State contributes three-fourths of the cost; in towns having a grand list of less than $1,250,000, the State's pro rata is seven-eighths. The maximum amount allotted to any town in any one year, under the law has been $15,000. The grand list is the total assessed valuation as fixed by the State board of equalization.

The first appropriation for the improvement of trunk-line highways was made in 1905. The trunk-line highways always have been built and maintained exclusively by State funds. To assist the highway department in this work, all money received from the registration of motor vehicles, fines, etc., is placed to the credit of the department; and, in addition, a specific appropriation for this purpose has been made by each legislature.

Prior to 1907, the State had no jurisdiction over the maintenance or repair of roads constructed under State aid. That year, however, full jurisdiction was given to the State highway department. The law provided that, irrespective of the amount of grand list, all towns should pay one-fourth of the cost of maintenance of State-aid roads within their limits.

The practice of "working out taxes" is virtually obsolete. In some of the very small towns the system is followed, but the aggregate amount of this item is so small as to be practically negligible. Poll taxes, now known in this State as the personal tax, are payable in cash.

The maintenance of all roads constructed by the State, both on trunk-line and State-aid highways, is in direct charge of the State highway commission. The actual work is looked after by a superintendent of repairs. The State is divided into nine districts for the purpose of maintenance, each of which is in charge of a supervisor of repairs. All of the State roads are under the "patrol system," the various workmen being under foremen, who report directly to the supervisors. The supervisors, the foremen, and a sufficient number of workmen to maintain the roads properly are employed during the entire year, constant attention being given to the roads at all seasons.

The State highway department purchases its own equipment, and during the past year has installed an automobile brigade. This has been a direct advantage both in cost of maintenance of roads and ability to cover a much larger area, as compared with horse-drawn vehicles. In the maintenance of their own roads, the selectmen of towns purchase their own equipment without reference to the State highway department.

By an act of the legislature in 1915, all bridges having a span of 25 feet or greater, on the trunk-line highways (with the exception hereinafter noted), were placed under the jurisdiction of the State highway department. Bridges over railroad or street-railway lines and bridges in towns having a population of 10,000 or more are not included; nor are bridges built or maintained under a special act of the legislature. Where any such bridge lies in a town, the cost is borne half each by the State and such town; where the bridge is between two towns or counties, the State pays one-half and the towns or counties one-fourth each. If there is a street railway line across such bridge, the town, towns, or counties pay one-third, the State one-third, and the street-railway company one-third. Much work already has been done under this law.

While the legislature from year to year has authorized bond issues, and these bonds have been sold, the revenue therefrom has been placed in the general account and has not been set apart distinctively as road-improvement funds. These bonds, therefore, can not be denominated road bonds. Money authorized for road construction and maintenance is placed to the credit of the State highway department from money not otherwise appropriated.

REVENUES APPLIED TO ROADS, FISCAL YEAR 1914-15.

The total revenues applied to roads in the fiscal year ended September 30, 1915, amounted to $3,640,962.75, and comprised the following items: for construction of 84.91 miles of trunk-line roads, paid entirely by the State, $869,627.40; for 78.16 miles of State-aid road, for which the State paid three-fourths to seven-eighths of the

cost, $635,384.57; for maintenance of 895.7 miles of trunk-line roads, $584,762.73; for maintenance of 490.37 miles of State-aid roads, $166,150.67; for engineering and inspection on trunk-line and State-aid roads, $94,065.93; overhead expenses for maintenance, $78,190.87; for construction and maintenance of town roads, $1,059,511.05; for construction and maintenance of town bridges, $153,269.53. The last two items were for the calendar year 1914.

In 1904 there was expended for roads and bridges $1,195,125, of which $975,960 was expended by the towns on town roads and $219,165 by the State on State-aid roads. It thus appears that from 1905 to 1914, the revenues applied to roads increased $2,445,837.75, or 204.6 per cent. The revenues applied to town roads and bridges in the fiscal year 1914–15 are shown in Table 13.

ROAD AND BRIDGE BONDS.

No town bonds have been issued for road purposes, but the State issued, between 1907 and 1913, inclusive, $7,000,000 of State bonds, a large portion of which were used for paying the State's share of the cost of constructing State highways. These bonds bear 3½ to 4 per cent interest and are retired by appropriation from the general State funds under the deferred serial plan, at the rate of from $120,000 to $205,000 annually. The last payment must be made by 1925, but the State treasurer is authorized to redeem them whenever and in such a manner as he deems to be for the best interest of the State.

ROAD MILEAGE OUTSIDE OF CITIES, 1914.

At the close of 1914 Connecticut had, according to reports received from the towns, 14,060.82 miles of public roads, of which 2,975.45 miles, or 21.16 per cent, were surfaced. Of the surfaced roads, 923.42 miles were macadam, 128.28 miles bituminous macadam, 1,057.93 miles gravel, 840.27 miles sand-clay, 1.33 miles brick, and 24.22 miles concrete. There were also 2,219.23 miles of earth roads reported as graded and drained.

The reports for 1909 indicate that there were 12,583 miles of public road, of which 2,654.27 miles, or 21.09 per cent, were surfaced, a gain for the 5-year period of 321.18 miles. The small increase in percentage of surfaced roads is due to the fact that the total mileage reported for 1914 exceeds the total reported for 1909 by 1,477.82 miles.

Information regarding road mileage is presented by counties and towns in Table 21.

APPENDIX A.

TABLES SHOWING ROAD AND BRIDGE REVENUES.

Following are the tables showing the local road revenues expended in the respective States comprising the New England group, referred to in the foregoing text:

MAINE.

TABLE 7.—*Town revenues applied to town roads and bridges, 1914.*

County and town.	Tax rate per $1.	Amounts obtained.	County and town.	Tax rate per $1.	Amounts obtained.
Androscoggin:			Aroostook—Continued.		
Durham	$0.0057	$2,250.00	Merrill Place	$0.0069	$1,000.00
East Livermore	.0022	4,000.00	Molunkus	.0048	565.92
Greene	.0078	3,050.00	Monticello	.0057	2,700.00
Leeds	.0044	1,500.00	Moro	.0149	1,100.00
Lisbon	.0015	4,000.00	Nashville Place	.006	598.49
Livermore	.0055	2,500.00	New Canada Place	.014	1,000.00
Mechanic Falls	.0018	1,500.00	New Limerick	.0048	800.00
Minot	.0047	1,800.00	New Sweden	.0049	2,000.00
Poland	.0033	3,400.00	Oakfield	.0093	1,500.00
Turner	.0052	5,000.00	Orient	.0111	1,000.00
Wales	.0045	1,150.00	Oxbow Place	.0052	521.43
Webster	.0045	2,700.00	Perham	.0057	1,600.00
			Portage Lake Place	.00226	400.00
Total		32,850.00	Presque Isle	.0049	13,500.00
			Reed Place	.00453	618.70
Aroostook:			St. Agatha	.0124	2,030.00
Allagash	.0046	1,225.00	St. Francis Place	.00405	1,000.00
Amity	.0102	1,000.00	St. John Place	.00257	200.00
Ashland	.0049	3,300.00	Sherman	.0078	3,500.00
Bancroft	.0075	500.00	Silver Ridge Place	.00726	300.00
Bennedicta	.0069	700.00	Smyrna	.007	1,000.00
Blaine	.0056	2,040.00	Stockholm Place	.00217	1,075.00
Bridgewater	.00507	2,500.00	Van Buren	.00357	3,500.00
Caribou	.0034	10,000.00	Wade Place	.00524	900.00
Cary Plantation	.019	800.00	Wallagrass Place	.0139	1,500.00
Castle Hill	.0095	1,500.00	Washburn	.0063	3,000.00
Caswell Place	.0075	500.00	Westfield	.00758	2,650.00
Chapman	.009	1,150.00	Westmanland Place	.0037	452.80
Connor Place	.0135	1,150.00	Weston	.0233	2,000.00
Crystal	.0044	800.00	Winterville Place	.0056	433.62
Cyr Place	.011	900.00	Woodland	.0056	2,000.00
Dyer Brook	.0067	1,000.00	Letter A	.0047	274.50
E Place	.00479	365.81	No. 1—R. 4	.0051	400.00
Eagle Lake Place	.0044	1,200.00	No. 1—R. 5	.0052	677.40
Easton	.0029	1,808.00	No. 7—R. 5	.0037	457.46
Forkstown	.0026	302.36	No. 8—R. 5	.0041	576.92
Fort Fairfield	.0032	10,000.00	No. 9—R. 5	.0111	1,160.51
Fort Kent	.0064	4,000.00	No. 11—R. 4	.0038	405.78
Frenchville	.0078	1,500.00	No. 17—R. 5	.0063	435.26
Garfield Place	.0027	325.88	No. 14—R. 6	.0044	440.80
Glenwood Place	.0045	400.00	No. 15—R. 6	.0027	302.56
Grand Isle	.007	1,300.00	No. 16—R. 4	.0045	504.94
Hamlin Place	.00504	500.00	No. 17—R. 4	.0038	278.96
Hammond Place	.00313	414.88			
Haynesville	.0092	760.00	Total		149,452.98
Hersey	.0093	900.00			
Hodgdon	.0087	3,000.00	Cumberland:		
Houlton	.0035	13,000.00	Baldwin	.0034	1,200.00
Island Falls	.002	900.00	Bridgton	.003	5,000.00
Limestone	.0039	3,250.00	Brunswick	.002	11,000.00
Linneus	.0069	2,000.00	Cape Elizabeth	.0045	7,400.00
Littleton	.0052	2,500.00	Casco	.0037	1,100.00
Ludlow	.0109	1,400.00	Cumberland	.0022	2,500.00
Macwahoc Place	.00456	300.00	Falmouth	.0021	3,700.00
Madawaska	.0033	1,400.00	Freeport	.002	3,000.00
Mapleton	.0059	2,500.00	Gorham	.0035	7,500.00
Mars Hill	.0063	5,000.00	Gray	.0042	2,300.00
Marsadis	.0049	1,000.00	Harpswell	.0042	4,200.00

MAINE—Continued.

TABLE 7.—*Town revenues applied to town roads and bridges, 1914*—Continued.

County and town.	Tax rate per $1.	Amounts obtained.
Cumberland—Continued.		
Harrison	$0.0045	$2,440.00
Naples	.0058	1,750.00
New Gloucester	.0027	3,000.00
North Yarmouth	.0034	1,100.00
Otisfield	.0045	1,250.00
Pownal	.0034	900.00
Raymond	.0071	1,900.00
Scarboro	.0032	5,500.00
Sebago	.0065	1,800.00
Standish	.0026	3,300.00
Windham	.0035	4,550.00
Yarmouth	.0014	2,250.00
Total		78,640.00
Franklin:		
Avon	.0046	900.00
Coplin Place	.0054	600.00
Carthage	.0065	1,150.00
Crockerton	.0093	904.00
Chesterville	.0096	2,200.00
Dallas	.00302	300.00
Eustis	.003	1,100.00
Letter E	.0034	207.50
Farmington	.0039	8,000.00
Freeman	.0094	1,200.00
Industry	.0115	1,500.00
Jay	.0028	6,000.00
Jerusalem Place	.0122	1,049.30
Kingfield	.0019	800.00
Lang Place	.0018	200.00
Madrid	.0104	1,300.00
New Sharon	.0049	2,000.00
New Vineyard	.0094	2,000.00
Perkins	.017	344.00
Phillips	.0037	2,700.00
Rangeley	.00202	2,300.00
Rangeley Place	.0018	700.00
Salem	.00637	450.00
Sandy River Place	.0065	1,100.00
Strong	.00607	2,000.00
Temple	.00656	1,000.00
Washington	.0184	114.60
Weld	.0076	2,000.00
Wilton	.0054	8,000.00
Wyman	.0103	641.00
No. 6 (north of Weld)	.006	550.00
Total		51,310.40
Hancock:		
Amherst	.0042	350.00
Aurora	.0056	300.00
Bluehill	.0044	3,000.00
Brooklin	.0043	1,000.00
Brooksville	.0039	1,200.00
Bucksport	.0061	5,500.00
Castine	.0016	1,000.00
Cranberry Isles	.0022	500.00
Dedham	.007	800.00
Deer Isle	.0033	1,500.00
Eastbrook	.0040	300.00
Eden	.0025	18,250.00
Franklin	.0053	1,800.00
Gouldsboro	.0051	2,250.00
Hancock	.0056	2,000.00
Isle Au Haut	.005	600.00
Lamoine	.0029	550.00
Long Island Place		
Mariaville	.009	600.00
Mount Desert	.0022	5,000.00
Orland	.0051	1,500.00
Otis	.0039	200.00
Penobscot	.006	1,500.00
Sedgwick	.0051	1,205.00
Sorrento	.0042	800.00
Southwest Harbor	.0021	1,000.00
Stonington	.0017	1,000.00
Hancock—Continued.		
Sullivan	$0.0033	$1,300.00
Surry	.0042	800.00
Swans Island	.0053	900.00
Tremont	.0036	1,050.00
Trenton	.0049	700.00
Verona	.0097	700.00
Waltham	.0064	320.00
Winter Harbor	.0019	1,000.00
No. 4 (middle division) Place		
No. 7 (south division)	.0014	64.59
No. 8 (south division) Place	.0042	102.47
No. 9	.0106	116.40
No. 10	.0055	313.82
No. 21 Place	.0028	125.00
No. 22	.0035	154.37
No. 28	.0013	88.16
No. 33 Place	.0011	50.00
Total		61,689.81
Kennebec:		
Albion	.0039	1,500.00
Belgrade	.0054	3,200.00
Benton	.0046	2,500.00
Chelsea	.0071	1,700.00
China	.0073	4,500.00
Clinton	.0032	2,000.00
Farmingdale	.0031	2,100.00
Fayette	.0033	1,200.00
Litchfield	.0031	1,200.00
Manchester	.0040	1,200.00
Monmouth	.0045	3,500.00
Mount Vernon	.0052	1,750.00
Oakland	.003	3,500.00
Pittston	.0081	3,500.00
Randolph	.004	1,250.00
Readfield	.0034	1,800.00
Rome	.0043	800.00
Sidney	.0048	2,100.00
Unity Place	.0056	125.00
Vassalboro	.0033	4,000.00
Vienna	.0070	1,000.00
Wayne	.0051	1,300.00
West Gardiner	.0028	1,600.00
Windsor	.0073	2,000.00
Winslow	.0024	6,000.00
Winthrop	.0036	5,500.00
Total		60,225.00
Knox:		
Appleton	.0114	2,900.00
Camden	.0023	6,250.00
Criehaven Place		
Cushing	.0051	700.00
Friendship	.0034	1,000.00
Hope	.0023	500.00
Hurricane Isle		
Matinicus Place		
North Haven	.0018	800.00
Rockport	.0022	3,000.00
St. George	.0043	2,177.00
South Thomaston	.0038	1,800.00
Thomaston	.0023	2,800.00
Union	.0072	4,000.00
Vinalhaven	.0028	2,500.00
Warren	.0042	3,600.00
Washington	.0059	1,600.00
Total		33,627.00
Lincoln:		
Alna	.0055	1,000.00
Boothbay	.005	3,800.00
Boothbay Harbor	.0028	3,500.00
Bremen	.0062	965.00

MAINE—Continued.

TABLE 7.—*Town revenues applied to town roads and bridges, 1914*—Continued.

County and town.	Tax rate per $1.	Amounts obtained.
Lincoln—Continued.		
Bristol	$0.0034	$04,000.00
Damariscotta	.0039	1,980.00
Dresden	.0051	1,750.00
Edgecomb	.0057	1,200.00
Jefferson	.0030	1,350.00
Monhegan Place	.0012	100.00
Newcastle	.0041	2,800.00
Nobleboro	.0049	1,300.00
Somerville	.0125	800.00
Southport	.0027	1,500.00
Waldoboro	.0046	5,200.00
Westport	.0045	650.00
Whitefield	.0041	1,900.00
Wiscasset	.0031	2,050.00
Total		35,845.00
Oxford:		
Albany	.0091	1,500.00
Andover	.0034	1,200.00
Andover—		
North surplus	.0059	554.88
West surplus	.0045	176.45
Bethel	.0048	5,000.00
Brownfield	.0041	1,500.00
Buckfield	.0031	1,500.00
Byron	.0091	1,100.00
Letter C	.0022	951.83
C surplus	.0003	50.00
Canton	.0058	2,000.00
Denmark	.0035	1,500.00
Dixfield	.0043	2,500.00
Fryeburg	.0026	2,500.00
Gilead	.0036	500.00
Grafton	.0058	1,000.00
Greenwood	.0072	1,500.00
Hanover	.0031	300.00
Hartford	.0073	2,000.00
Hebron	.0047	1,200.00
Hiram	.0034	1,500.00
Lincoln Place	.0011	500.00
Lovell	.0056	2,900.00
Magalloway Place	.0054	1,500.00
Mason	.0034	300.00
Mexico	.0031	2,200.00
Milton Place	.0066	500.00
Newry	.0028	800.00
Norway	.0028	4,000.00
Oxford	.0045	2,500.00
Paris	.0025	4,000.00
Peru	.0095	2,800.00
Porter	.0038	1,000.00
Riley	.0009	157.40
Roxbury	.0057	1,000.00
Rumford	.0021	10,000.00
Stoneham	.0035	400.00
Stow	.0046	600.00
Sumner	.0087	2,800.00
Sweden	.0033	550.00
Upton	.0055	850.00
Waterford	.0068	2,500.00
Woodstock	.0061	1,800.00
Total		73,690.56
Penobscot:		
Alton	.00547	500.00
Argyle	.00442	300.00
Bradford	.00418	1,200.00
Bradley	.0011	250.00
Burlington	.0019	350.00
Carmel	.00378	1,200.00
Carroll	.0069	1,000.00
Charleston	.0086	2,700.00
Chester	.0061	500.00
Clifton	.0062	400.00
Corinna	.0067	3,477.00
Corinth	.00405	2,000.00

County and town.	Tax rate per $1.	Amounts obtained.
Penobscot—Continued.		
Dexter	$0.0049	$7,500.00
Dixmont	.0094	2,350.00
Drew Place	.0037	500.00
East Millinocket	.0029	2,000.00
Edinbury	.0032	150.00
Eddington	.00612	1,200.00
Endfield	.0042	1,500.00
Etna	.0086	1,300.00
Exeter	.0046	1,500.00
Garland	.00825	2,500.00
Glenburn	.0027	500.00
Grand Falls Place	.003	268.31
Greenbush	.00729	800.00
Greenfield	.0074	400.00
Hampden	.00434	3,500.00
Hermon	.0052	2,450.00
Holden	.0049	900.00
Howland	.00407	1,200.00
Newport	.0038	3,500.00
Hudson	.0064	850.00
Kenduskeag	.0052	1,000.00
Kingman	.00218	350.00
Lagrange	.0025	800.00
Lakeville Place	.0026	400.00
Lee	.0071	1,000.00
Levant	.0079	2,000.00
Lincoln	.0029	2,500.00
Lowell	.0039	400.00
Mattamiscontis	.006	169.60
Mattawamkeag	.004	650.00
Maxfield	.0074	300.00
Medway	.0095	1,000.00
Milford	.00209	2,000.00
Millinockett	.00222	3,500.00
Mount Chase	.024	2,000.00
Newburg	.00425	1,200.00
Orono	.00159	2,100.00
Orrington	.0055	2,500.00
Passadumkeag	.00357	400.00
Patten	.00349	2,500.00
Plymouth	.0083	1,700.00
Prentiss	.00713	900.00
Seboeis Place	.0017	171.44
Springfield	.0053	900.00
Stacyville Place	.008	1,000.00
Stetson	.00758	1,500.00
Summit	.0035	272.59
Veazie	.0023	775.00
Webster	.006	250.00
Winn	.00303	600.00
Woodville	.0069	600.00
Letter A, R. 7	.0028	264.37
No. 1—R. 7	.0016	213.66
No. 2—R. 6	.007	115.41
No. 2—R. 7	.0008	118.08
Total		84,895.46
Piscataquis:		
Abbott	.0055	1,200.00
Atkinson	.0099	1,750.00
Barnard	.00576	294.51
Blanchard	.00355	400.00
Bowerbank Place	.00132	150.00
Brownville	.00416	2,450.00
Dover	.00452	5,000.00
Elliotsville Place	.0028	399.70
Foxcroft	.0051	5,250.00
Greenville	.00234	1,500.00
Guilford	.00253	2,000.00
Kingsbury Place	.0125	1,200.00
Lake View Place	.0006	114.26
Lily Bay Place	.0025	450.00
Medford	.00587	800.00
Milo	.0029	3,850.00
Monson	.00568	2,000.00
Orneville	.00555	700.00
Parkman	.00856	2,000.00

MAINE—Continued.

TABLE 7.—*Town revenues applied to town roads and bridges, 1914*—Continued.

County and town.	Tax rate per $1.	Amounts obtained.
Piscataquis—Continued.		
Sangerville	$0.00535	$3,000.00
Sebec	.007	1,500.00
Shirley	.00806	1,000.00
Wellington	.0136	2,000.00
Williamsburg	.00702	400.00
Willimantic	.0056	550.00
Total		39,958.47
Sagadahoc:		
Arrowsic	.0045	275.00
Bowdoin	.006	1,980.00
Bowdoinham	.00232	1,300.00
Georgetown	.00292	950.00
Perkins	.0014	50.00
Phippsburg	.00592	2,600.00
Richmond	.00225	2,300.00
Topsham	.0051	8,000.00
West Bath	.0067	1,400.00
Woolwich	.0053	1,800.00
Total		20,655.00
Somerset:		
Anson	.00369	3,000.00
Athens	.00622	2,000.00
Bald Mountain	.0007	110.01
Bigelow	.00614	479.36
Bingham	.00409	2,000.00
Brighton	.0158	1,600.00
Cambridge	.0088	1,200.00
Canaan	.0046	1,500.00
Carratunk	.00536	700.00
Carrying Place	.00125	154.10
Concord	.00936	900.00
Cornville	.00429	1,400.00
Dead River Place	.00504	500.00
Dennistown	.0036	478.00
Detroit	.00488	800.00
Embden	.0069	2,000.00
Fairfield	.00273	5,000.00
Flagstaff	.00488	440.00
Harmony	.0077	2,150.00
Hartland	.00406	2,200.00
Highland Place	.00605	600.00
Jackman	.0054	1,200.00
Johnson Mountain	.0081	653.84
Lexington Place	.00705	700.00
Madison	.00303	7,000.00
Mayfield	.00734	771.54
Maxie Gore	.00367	856.12
Mercer	.0098	1,700.00
Moose River Place	.00218	400.00
Moscow	.00714	1,300.00
New Portland	.00644	1,800.00
Norridgewock	.00698	5,135.00
Palmyra	.0115	4,200.00
Parlin	.00316	420.00
Pittsfield	.00209	3,500.00
Pleasant Ridge Place	.0109	586.46
Ripley	.00921	1,500.00
Sandy Bay	.0068	701.84
St. Albans	.0076	3,250.00
Skowhegan	.00256	10,500.00
Smithfield	.00555	1,000.00
Solon	.0047	2,000.00
Starks	.0097	1,925.00
The Forks Place	.00847	841.00
West Forks Place	.0058	790.41
Total		81,942.68
Waldo:		
Belmont	.00736	800.00
Brooks	.00517	1,600.00
Burnham	.0028	700.00
Frankfort	.0048	1,500.00
Freedom	.0056	1,000.00
Waldo—Continued.		
Islesboro	$0.002	$2,000.00
Jackson	.01	1,500.00
Knox	.0061	1,200.00
Liberty	.0095	2,000.00
Lincolnville	.009	2,950.00
Monroe	.0093	2,500.00
Montville	.0082	2,500.00
Morrill	.0078	1,000.00
Palermo	.0071	1,600.00
Northport	.0038	1,500.00
Prospect	.0104	1,800.00
Searsmont	.0072	2,500.00
Searsport	.0031	2,500.00
Stockton Springs	.0024	1,200.00
Swanville	.0089	1,500.00
Thorndike	.0052	1,200.00
Troy	.0075	2,000.00
Unity	.0066	2,500.00
Waldo	.0055	800.00
Winterport	.0043	2,500.00
Total		42,850.00
Washington:		
Addison	.0046	1,000.00
Alexander	.0143	1,000.00
Baileyville	.00228	3,300.00
Boring	.00428	450.00
Beddington	.0073	225.00
Brookton	.00426	310.00
Centerville	.00452	325.00
Charlotte	.00735	650.00
Cherryfield	.00524	2,500.00
Codyville Place	.00619	524.23
Columbia	.006	800.00
Columbia Falls	.0037	600.00
Cooper	.00911	500.00
Crawford	.0058	400.00
Cutler	.0088	1,000.00
Danforth	.0052	2,500.00
Deblois	.0042	100.00
Dennysville	.00246	350.00
East Machias	.0038	1,500.00
Edmonds	.0089	775.00
Forest City	.003	50.00
Grand Lake Stream Place	.00336	400.00
Harrington	.00566	1,400.00
Jonesboro	.00536	600.00
Jonesport	.0018	1,000.00
Kossuth	.00474	576.00
Lamber Lake	.0074	693.00
Lukes	.0019	400.00
Machias	.0036	3,000.00
Machiasport	.0051	1,000.00
Marion	.0079	400.00
Marshfield	.0073	450.00
Meddybemps	.00442	150.00
Milbridge	.0033	1,500.00
Northfield	.0055	300.00
Pembroke	.00314	1,000.00
Perry	.0059	1,250.00
Princeton	.0043	1,350.00
Robbinston	.00332	500.00
Roque Bluffs	.0066	200.00
Steuben	.0071	1,500.00
Talmage	.0095	500.00
Topsfield	.011	1,400.00
Trescott	.0098	650.00
Vanceboro	.00201	400.00
Waite	.0063	300.00
Wesley	.00468	300.00
Whiting	.00676	700.00
Whitneyville	.0065	445.00
No. 8—R. 3	.00259	250.00
No. 8—R. 4	.00779	400.00
No. 10—R. 3	.00534	436.38
No. 14 Place	.0054	300.00

MAINE—Continued.

TABLE 7.—*Town revenues applied to town roads and bridges, 1914*—Continued.

County and town.	Tax rate per $1.	Amounts obtained.
Washington—Continued.		
No. 18, eastern division	$0.00875	$386.40
No. 19, eastern division	.00416	276.00
No. 21 Place	.....	.....
No. 24, middle division	.00664	330.00
No. 26, eastern division	.00083	54.40
No. 27, eastern division	.0031	233.00
No. 29, middle division	.00664	440.00
No. 30, middle division	.0031	200.40
No. 31, middle division	.00316	220.40
Total	.....	44,950.21
York:		
Acton	.0038	1,000.00
Alfred	.0038	1,500.00
Berwick	.0037	3,800.00
Buxton	.00313	3,700.00
Cornish	.0038	1,500.00
Dayton	.0065	1,500.00
Eliot	.00138	2,000.00
Hollis	.0041	4,000.00
York—Continued.		
Kennebunk	$0.00301	$7,500.00
Kennebunkport	.003	5,000.00
Kittery	.0038	4,000.00
Lebanon	.0063	3,100.00
Limerick	.0029	1,500.00
Limington	.0075	3,000.00
Lyman	.0026	1,000.00
Newfield	.0051	1,200.00
North Berwick	.0042	3,400.00
Old Orchard	.0031	4,000.00
Parsonsfield	.0060	3,000.00
Sanford	.0021	9,550.00
Shapleigh	.0037	1,000.00
South Berwick	.0025	3,000.00
Waterboro	.0052	2,500.00
Wells	.0026	3,500.00
York	.0034	10,954.00
Total	.....	86,204.00
Grand total	.....	978,786.57

NEW HAMPSHIRE.

TABLE 8.—*Revenue applied to roads and bridges, 1914.*

County and town.	Amount appropriated.
Belknap:	
Alton	$8,185.44
Barnstead	9,997.50
Belmont	4,000.00
Center Harbor	3,100.00
Gilford	3,957.00
Gilmanton	3,409.50
Meredith	2,444.00
New Hampton	3,484.00
Sanbornton	3,600.00
Tilton	6,024.50
Total	48,201.94
Carroll:	
Albany	1,800.00
Bartlett	4,300.00
Brookfield	765.00
Chatham	952.00
Conway	6,681.36
Eaton	1,456.50
Effingham	1,800.00
Freedom	1,000.00
Jackson	2,100.00
Madison	1,650.00
Moultonboro	6,482.00
Ossipee	5,000.00
Sandwich	3,000.00
Tamworth	3,000.00
Tuftonboro	2,427.00
Wakefield	4,800.00
Wolfeboro	12,194.67
Total	59,408.53
Cheshire:	
Alstead	2,600.00
Chesterfield	4,553.50
Dublin	11,650.00
Fitzwilliam	4,500.00
Gilsum	1,000.00
Harrisville	3,550.00
Hinsdale	14,462.00
Jaffrey	7,735.78
Cheshire—Continued.	
Marlboro	$2,500.00
Marlow	1,420.82
Nelson	1,500.00
Richmond	2,735.84
Rindge	4,100.00
Roxbury	1,126.00
Stoddard	1,475.00
Sullivan	1,200.00
Surry	1,100.00
Swanzey	6,648.50
Troy	3,000.00
Walpole	5,000.00
Westmoreland	4,120.16
Winchester	4,846.08
Total	90,823.68
Coos:	
Carroll	2,600.00
Clarksville	2,800.00
Colebrook	5,250.00
Columbia	1,747.29
Dalton	2,490.00
Dummer	2,400.00
Errol	5,237.00
Gorham	8,200.00
Jefferson	12,272.32
Lancaster	9,677.62
Milan	3,100.00
Northumberland	3,200.00
Pittsburg	3,600.00
Randolph	1,086.58
Shelburne	1,000.00
Stark	2,000.00
Stewartstown	3,277.71
Stratford	3,235.00
Wentworth Location	1,060.00
Whitefield	4,390.00
Total	78,623.52
Grafton:	
Alexandria	$2,446.17
Ashland	2,800.00
Bath	3,000.00
Benton	745.00
Bethlehem	6,000.00
Bridgewater	1,641.00
Bristol	6,399.00
Campton	3,000.00
Canaan	5,000.00
Dorchester	1,500.00
Easton	452.62
Ellsworth	600.00
Enfield	5,000.00
Franconia	3,767.15
Grafton	2,500.00
Groton	1,500.00
Hanover Village	6,200.19
Haverhill	10,000.00
Hanover	9,053.00
Hebron	800.00
Holderness	6,875.00
Landaff	1,132.91
Lebanon	9,000.00
Lincoln	1,500.00
Lisbon	10,000.00
Littleton	4,200.00
Lyman	1,500.00
Lyme	3,000.00
Monroe	1,273.55
Orange	600.00
Orford	2,637.50
Piermont	3,025.00
Plymouth	9,909.50
Rumney	1,506.22
Thornton	2,361.10
Warren	2,300.00
Waterville	1,000.00
Wentworth	1,336.07
Woodstock	3,000.00
Total	138,560.98

NEW HAMPSHIRE—Continued.

TABLE 8.—*Revenue applied to roads and bridges, 1914*—Continued.

County and town.	Amount appropriated.	County and town.	Amount appropriated.	County and town.	Amount appropriated.
Hillsborough:		Merrimack—Contd.		Rockingham—Contd.	
Amherst	$3,200.00	Hopkinton	$5,389.51	Salem	$9,125.00
Antrim	4,000.00	Loudon	5,144.37	Sandown	1,000.00
Bedford	2,584.31	Newbury	3,800.00	Seabrook	1,380.45
Bennington	1,956.00	New London	3,150.00	South Hampton	743.77
Brookline	1,233.76	Northfield	3,900.81	Stratham	3,200.00
Deering	1,700.00	Pembroke	2,493.75	Windham	3,000.00
Francestown	1,800.00	Pittsfield	4,687.00		
Greenfield	2,100.00	Salisbury	2,492.00	Total	111,850.64
Goffstown	4,400.00	Sutton	3,700.00		
Greenville	2,099.50	Warner	2,500.00	Strafford:	
Hancock	1,850.00	Webster	1,894.50	Barrington	3,000.00
Hillsboro	7,674.12	Wilmot	3,161.83	Durham	2,500.00
Hollis	2,175.92			Farmington	10,503.43
Hudson	3,683.40	Total	77,709.91	Lee	956.85
Litchfield	977.14			Madbury	672.00
Lyndeboro	2,977.50	Rockingham:		Middleton	583.36
Mason	1,478.50	Atkinson	910.16	Milton	7,871.24
Merrimack	4,300.00	Auburn	3,000.00	New Durham	1,768.50
Milford	10,200.00	Brentwood	3,000.00	Rollinsford	2,700.00
Mont Vernon	1,443.94	Candia	1,539.71	Strafford	3,774.00
New Boston	3,900.00	Chester	2,300.00		
New Ipswich	2,944.12	Danville	1,770.00	Total	34,329.38
Pelham	2,300.00	Deerfield	2,200.00		
Peterboro	14,500.00	Derry	11,000.00	Sullivan:	
Sharon	1,849.00	East Kingston	701.00	Acworth	2,500.00
Temple	1,585.00	Epping	4,500.00	Charlestown	4,727.03
Weare	4,500.00	Exeter	10,133.36	Claremont	9,557.00
Wilton	5,279.89	Fremont	1,700.00	Cornish	2,739.08
Windsor	292.00	Greenland	2,050.00	Croydon	1,200.00
		Hampstead	3,912.29	Goshen	1,662.50
Total	98,984.10	Hampton	5,387.00	Grantham	1,725.00
		Hampton Falls	1,862.00	Langdon	590.00
Merrimack:		Kensington	742.54	Lempster	1,342.95
Allenstown	1,759.00	Kingston	1,573.94	Newport	8,700.00
Andover	2,197.79	Londonderry	4,000.00	Plainfield	2,303.26
Boscawen	2,725.00	New Castle	3,196.83	Springfield	2,800.00
Bow	3,046.50	Newfields	549.38	Sunapee	7,058.61
Bradford	3,611.50	Newington	1,783.50	Unity	1,393.00
Canterbury	3,347.00	New Market	4,360.00	Washington	1,500.00
Chichester	2,500.00	Newton	1,480.30		
Danbury	2,000.00	North Hampton	3,470.00	Total	49,798.43
Dunbarton	1,600.00	Northwood	3,100.00		
Epsom	3,000.00	Nottingham	1,766.16	Grand total for State	788,291.11
Henniker	4,109.35	Plaistow	3,713.25		
Hill	1,500.00	Raymond	3,500.00		
Hooksett	4,000.00	Rye	4,200.00		

VERMONT.

TABLE 9.—*Town revenues applied to town and State aid roads and bridges, 1914.*

County and town.	Total town revenues applied to town and State-aid roads.	Town tax for town roads.		Amounts raised from 5 per cent State road tax.	Amounts raised by towns for State-aid roads.	Resurfacing of town roads, amount raised.
		Rate.[1]	Amount obtained.			
Addison:						
Addison	$3,043.14	20	$1,624.36	$418.78	$1,000.00	.....
Bridport	2,808.94	20	1,647.15	411.79	750.00	.....
Bristol	4,117.74	20	2,473.58	644.16	1,000.00	.....
Cornwall	1,958.73	20	1,158.99	299.74	500.00	.....
Ferrisburg	3,263.93	20	2,217.14	546.79	500.00	.....
Goshen	602.93	45	452.64	50.29	100.00	.....
Granville	1,619.10	20	504.95	114.15	1,000.00	.....
Hancock	787.45	25	489.54	97.91	200.00	.....
Leicester	1,724.26	40	1,028.00	256.26	300.00	$140.00
Lincoln	1,104.03	20	881.51	222.52	.....	.....

[1] The rate is expressed in per cent of the grand list, which is found by taking 1 per cent of the assessed valuation of all taxable property.

VERMONT—Continued.

TABLE 9.—*Town revenues applied to town and State aid roads and bridges, 1914*—Contd.

County and town.	Total town revenues applied to town and State-aid roads.	Town tax for town roads.		Amounts raised from 5 per cent State road tax.	Amounts raised by towns for State-aid roads.	Resurfacing of town roads, amount raised.
		Rate.	Amount obtained.			
Addison—Continued.						
Middlebury	$5,133.43	32	$2,420.59	$1,212.84	$1,500.00	.....
Monkton	1,194.06	20	957.72	236.34	.....	.....
New Haven	3,096.67	25	2,210.06	443.48	443.13	.....
Orwell	8,459.46	50	5,041.98	672.69	1,000.00	$1,744.79
Panton	1,658.60	20	661.82	166.60	750.00	80.18
Ripton	1,084.04	20	627.60	156.44	300.00	.....
Salisbury	2,095.69	20	1,309.84	285.85	500.00	.....
Shoreham	3,047.16	20	1,641.37	405.79	1,000.00	.....
Starksboro	2,371.71	20	874.00	528.54	500.00	469.17
Waltham	693.84	20	381.72	112.12	200.00	.....
Weybridge	1,451.09	20	847.69	203.40	400.00	.....
Whiting	1,075.23	20	452.24	122.99	500.00	.....
Total	52,391.23	.....	29,904.49	7,609.47	12,443.13	2,434.14
Bennington:						
Arlington	1,868.39	20	1,234.71	333.68	300.00	.....
Bennington	3,790.49	20	.....	2,790.49	1,000.00	.....
Dorset	2,423.10	20	1,557.66	365.44	500.00	.....
Glastenbury	287.76	30	143.88	23.98	119.90	.....
Landgrove	225.87	30	73.71	152.16	.....	.....
Peru	1,526.18	50	934.44	91.74	500.00	.....
Pownal	2,937.88	20	1,950.30	487.58	500.00	.....
Readsboro	4,503.49	50	3,191.92	311.57	1,000.00	.....
Rupert	3,691.75	40	2,441.56	400.41	609.78	240.00
Sandgate	664.93	35	583.93	81.00	.....	.....
Searsburg	963.51	70	639.96	49.28	274.27	.....
Shaftsbury	2,712.40	30	2,254.63	357.77	100.00	.....
Stamford	1,391.83	20	800.00	141.83	350.00	100.00
Sunderland	1,138.62	20	804.77	183.85	150.00	.....
Winhall	1,186.18	30	759.58	126.60	300.00	.....
Woodford	1,490.00	50	900.00	90.00	500.00	.....
Total	30,802.38	.....	18,271.05	5,987.38	6,203.95	340.00
Caledonia:						
Barnet	6,424.30	35	4,746.26	678.04	1,000.00	.....
Burke	845.11	20	.....	345.11	500.00	.....
Danville	4,693.89	40	3,727.91	465.98	500.00	.....
Groton	2,912.69	40	2,144.62	268.07	500.00	.....
Hardwick	1,859.30	.....	.....	859.30	1,000.00	.....
Kirby	1,465.49	50	1,105.49	110.00	250.00	.....
Lyndon	5,167.16	35	3,260.44	696.72	1,000.00	210.00
Newark	1,116.47	40	994.11	122 36	.....	.....
Peacham	3,622.81	50	2,838.92	283.89	500.00	.....
Ryegate	4,083.32	25	2,658.84	424.48	1,000.00	.....
Sheffield	2,358.87	65	2,005.55	153.32	200.00	.....
Stannard	746.95	60	502.80	144.15	100.00	.....
Sutton	1,983.58	20	754.50	584.60	300.00	344.48
Walden	1,770.96	40	1,389.97	180.99	200.00	.....
Waterford	762.48	.....	.....	262.48	500.00	.....
Wheelock	1,682.19	40	1,241.37	40.82	400.00	.....
Total	41,495.57	.....	27,370.78	5,620.31	7,950.00	554.48
Chittenden:						
Bolton	1,023.00	30	672.00	117.00	234.00	.....
Charlotte	2,620.40	20	2,046.79	573.61	.....	.....
Colchester	3,782.98	20	1,382.28	1,400.70	1,000.00	.....
Essex	3,041.92	20	1,363.32	678.60	1,000.00	.....
Hinesburg	2,907.87	20	1,502.69	405.18	1,000.00	.....
Huntington	1,535.85	25	1,065.18	213.03	.....	257.64
Jericho	2,661.37	20	1,929.10	482.27	250.00	.....
Milton	3,393.34	20	1,927.11	466.23	1,000.00	.....
Richmond	3,006.32	20	1,814.14	442.18	750.00	.....
St. George	205.67	25	170.75	34.92	.....	.....
Shelburne	2,927.29	20	2,086.97	320.33	300.00	219.99
South Burlington	2,736.34	20	1,389.02	347.32	1,000.00	.....
Underhill	1,882.56	20	1,266.05	316.51	300.00	.....
Westford	1,624.18	20	1,062.97	261.21	300.00	.....
Williston	2,531.34	20	1,625.07	406.27	500.00	.....
Total	35,880.43	.....	21,303.44	6,465.36	7,634.00	477.63

VERMONT—Continued.

TABLE 9.—*Town revenues applied to town and State aid roads and bridges, 1914*—Contd.

County and town.	Total town revenues applied to town and State-aid roads.	Town tax for town roads.		Amounts raised from 5 per cent State road tax.	Amounts raised by towns for State-aid roads.	Resurfacing of town roads, amount raised.
		Rate.	Amount obtained.			
Essex:						
Bloomfield	$1,955.55	26	$1,011.11	$194.44	$750.00	.....
Brighton	3,618.50	8	2,026.10	506.52	400.00	$685.88
Brunswick	885.21	20	314.86	70.35	500.00	.....
Canaan	1,729.79	20	1,143.83	285.96	.....	300.00
Concord	4,164.34	60	3,124.20	520.07	520.07	.....
East Haven	438.90	20	345.75	93.15	.....	.....
Granby	639.71	30	440.67	74.04	125.00	.....
Guildhall	1,197.37	20	562.23	135.14	500.00	.....
Lemington	904.44	25	336.22	68.22	500.00	.....
Lunenburg	4,701.00	43	2,000.00	501.00	1,000.00	1,200.00
Maidstone	1,657.21	20	808.98	148.23	700.00	.....
Norton	1,680.62	20	523.27	110.81	1,046.54	.....
Victory	407.70	25	339.96	67.74	.....	.....
Total	23,983.34	.....	12,977.18	2,778.67	6,041.61	2,185.88
Franklin:						
Bakersfield	2,032.48	20	953.64	247.49	750.00	81.35
Berkshire	2,785.30	20	1,591.60	397.90	795.80	.....
Enosburg	2,911.72	20	1,251.42	660.30	1,000.00	.....
Fairfax	2,974.42	20	1,591.77	632.65	750.00	.....
Fairfield	3,539.21	20	2,019.61	519.60	1,000.00	.....
Fletcher	638.05	25	465.05	173.00	.....	.....
Franklin	2,236.14	25	1,750.79	345.29	140.06	.....
Georgia	2,542.11	20	1,241.49	600.62	500.00	200.00
Highgate	2,097.27	20	1,677.82	419.45	.....	.....
Montgomery	3,627.90	30	2,470.20	407.70	750.00	.....
Richford	3,899.06	25	1,953.33	745.73	1,000.00	200.00
St. Albans	3,964.79	20	1,759.73	486.28	1,000.00	718.78
Sheldon	3,388.32	20	1,750.66	437.66	1,000.00	200.00
Swanton	3,592.41	20	2,021.53	820.88	750.00	.....
Total	40,229.18	.....	22,498.64	6,894.55	9,435.86	1,400.13
Grand Isle:						
Alburg	1,775.73	20	1,424.13	351.60	.....	.....
Grand Isle	1,324.10	20	817.84	206.26	300.00	.....
Isle La Motte	896.90	20	399.26	97.64	400.00	.....
North Hero	964.58	20	541.52	138.36	100.00	184.70
South Hero	1,368.24	20	694.59	173.65	500.00	.....
Total	6,329.55	.....	3,877.34	967.51	1,300.00	184.70
Lamoille:						
Belvidere	1,022.38	20	790.20	107.18	125.00	.....
Cambridge	4,344.00	25	2,791.00	553.00	1,000.00	.....
Eden	1,713.52	35	1,236.83	176.69	300.00	.....
Elmore	1,089.41	35	953.24	136.17	.....	.....
Hyde Park	3,520.27	25	2,516.89	503.38	500.00	.....
Johnson	2,011.00	20	1,608.80	402.20	.....	.....
Morristown	5,087.12	35	2,043.56	2,043.56	1,000.00	.....
Stowe	3,144.78	30	2,100.00	544.78	500.00	.....
Waterville	561.42	20	447.54	113.88	.....	.....
Wolcott	2,731.53	25	1,347.83	544.56	269.57	569.57
Total	25,225.43	.....	15,835.89	5,125.40	3,694.57	569.57
Orange:						
Bradford	2,582.93	20	1,600.00	502.93	750.00	.....
Braintree	1,576.51	25	980.43	196.08	400.00	.....
Brookfield	2,527.62	25	1,601.62	273.73	500.00	152.27
Chelsea	2,148.14	20	1,027.66	520.48	600.00	.....
Corinth	1,722.67	30	1,305.15	217.52	200.00	.....
Fairlee	1,410.22	20	800.93	209.29	250.00	150.00
Newbury	5,787.58	40	4,000.00	787.58	1,000.00	.....
Orange	2,441.34	50	1,764.89	174.75	300.00	201.70
Randolph	4,223.85	20	1,991.07	1,232.78	1,000.00	.....
Strafford	1,924.04	30	1,211.98	212.06	500.00	.....
Thetford	3,294.81	30	1,760.00	784.81	750.00	.....
Topsham	1,057.20	20	845.15	212.05	.....	.....
Tunbridge	2,457.17	30	1,634.72	272.45	400.00	150.00
Vershire	1,917.55	35	781.89	772.01	223.65	140.00
Washington	1,909.18	25	1,061.57	209.40	638.21	.....
West Fairlee	845.07	25	468.58	176.49	200.00	.....
Williamstown	5,224.25	20	1,798.32	500.00	1,882.82	1,043.11
Total	43,320.13	.....	24,633.96	7,254.41	9,594.68	1,837.08

VERMONT—Continued.

TABLE 9.—*Town revenues applied to town and State aid roads and bridges, 1914*—Contd.

County and town.	Total town revenues applied to town and State-aid roads.	Town tax for town roads.		Amounts raised from 5 per cent State road tax.	Amounts raised by towns for State-aid roads.	Resurfacing of town roads, amount raised.
		Rate.	Amount obtained.			
Orleans:						
Albany	$1,827.26	20	$1,044.15	$261.05	$522.06	.....
Barton	6,000.72	45	3,600.00	1,078.22	1,000.00	$322.50
Brownington	1,509.74	20	864.00	345.74	300.00	.....
Charleston	2,535.19	30	1,748.91	286.28	500.00	.....
Coventry	2,199.25	35	1,486.99	212.26	500.00	.....
Craftsbury	2,244.59	20	1,296.12	324.04	518.44	105.99
Derby	3,640.04	20	1,400.00	1,240.04	1,000.00	.....
Glover	10,002.54	25	9,339.33	263.21	400.00	.....
Greensboro	2,904.21	20	1,287.58	616.63	1,000.00	.....
Holland	1,532.25	30	1,141.03	191.22	200.00	.....
Irasburg	3,239.25	30	1,919.35	319.90	1,000.00	.....
Jay	655.79	30	557.96	97.83	.....	.....
Lowell	3,027.27	40	2,205.48	270.42	551.37	.....
Morgan	1,262.61	30	841.74	140.29	280.58	.....
Newport	5,615.02	30	3,300.00	1,315.02	1,000.00	.....
Troy	3,038.24	30	1,520.28	472.49	800.00	245.47
Westfield	1,031.39	35	902.03	129.36	.....	.....
Westmore	886.86	25	586.78	100.08	200.00	.....
Total	53,152.22	.....	35,041.73	7,664.08	9,772.45	673.96
Rutland:						
Benson	2,447.17	20	1,700.28	296.89	300.00	150.00
Brandon	5,303.09	20	3,842.47	960.62	500.00	.....
Castleton	3,321.65	20	1,857.32	464.33	500.00	500.00
Chittenden	1,747.30	30	1,023.98	323.32	400.00	.....
Clarendon	2,048.21	20	1,229.64	318.57	500.00	.....
Danby	2,568.05	25	1,812.18	378.07	377.80	.....
Fair Haven	4,311.13	20	3,000.00	811.13	500.00	.....
Hubbarton	1,047.24	20	472.59	118.15	300.00	156.50
Ira	783.08	25	643.68	89.40	.....	50.00
Mendon	1,132.99	20	584.53	256.26	292.20	.....
Middletown Springs	1,416.12	20	983.49	232.63	200.00	.....
Mount Holly	1,726.47	25	1,166.53	233.31	326.63	.....
Mount Tabor	471.33	25	394.34	76.99	.....	.....
Pawlet	3,200.79	20	2,169.15	531.64	500.00	.....
Pittsfield	972.17	30	654.00	168.17	150.00	.....
Pittsford	5,422.77	20	3,229.02	908.75	1,000.00	285.00
Poultney	5,339.04	20	3,047.65	767.43	1,523.96	.....
Proctor	2,548.80	20	229.67	1,319.13	1,000.00	.....
Rutland	3,213.65	20	1,683.73	264.27	1,000.00	265.65
Sherburne	763.34	20	518.32	115.02	130.00	.....
Shrewsbury	1,017.17	20	408.34	608.83	.....	.....
Sudbury	1,786.44	30	1,062.14	296.30	200.00	228.00
Tinmouth	1,005.18	25	670.98	134.20	200.00	.....
Wallingford	5,642.60	20	4,114.08	528.52	1,000.00	.....
Wells	1,500.28	20	795.19	205.09	500.00	.....
West Haven	1,408.57	20	694.10	280.29	200.00	234.18
West Rutland	945.54	20	.....	945.54	.....	.....
Total	63,090.17	.....	37,987.40	11,632.85	11,600.59	1,869.33
Washington:						
Barre	7,262.00	20	4,200.00	656.00	1,000.00	1,406.00
Berlin	2,676.43	31	2,324.74	351.69	.....	.....
Cabot	2,726.65	45	2,113.44	313.21	300.00	.....
Calais	2,900.13	35	1,808.00	258.28	545.43	288.42
Duxbury	715.52	50	.....	215.52	500.00	.....
East Montpelier	5,246.43	50	3,519.50	616.63	1,000.00	110.30
Fayston	1,392.75	30	932.49	160.26	300.00	.....
Marshfield	2,846.03	45	2,291.43	254.60	300.00	.....
Middlesex	2,234.15	30	1,519.35	264.80	450.00	.....
Moretown	500.00	.....	.....	.....	500.00	.....
Northfield	3,548.57	30	2,400.00	898.57	250.00	.....
Plainfield	1,431.56	25	1,192.97	238.59	.....	.....
Roxbury	2,059.87	40	1,475.44	184.43	400.00	.....
Waitsfield	1,652.06	20	1,001.65	250.41	400.00	.....
Warren	1,624.01	30	1,182.08	191.93	250.00	.....
Waterbury	4,839.44	20	3,271.55	817.89	750.00	.....
Woodbury	2,148.25	40	1,458.36	189.89	500.00	.....
Worcester	1,354.47	25	846.54	169.31	338.62	.....
Total	47,158.32	.....	31,537.54	6,032.01	7,784.05	1,804.72

VERMONT—Continued.

TABLE 9.—*Town revenues applied to town and State aid roads and bridges, 1914*—Contd.

County and town.	Total town revenues applied to town and State-aid roads.	Town tax for town roads.		Amounts raised from 5 per cent State road tax.	Amounts raised by towns for State-aid roads.	Resurfacing of town roads, amount raised.
		Rate.	Amount obtained.			
Windham:						
Athens	$546.43	25	$250.25	$176.18	.....	$120.00
Brattleboro	23,631.02	25	18,942.12	3,688.90	$1,000.00	.....
Brookline	429.12	25	201.09	152.16	75.87	.....
Dover	1,308.88	45	1,169.10	139.78	.....	.....
Dummerston	1,315.11	25	1,094.62	220.49	.....	.....
Grafton	1,274.87	30	1,092.75	182.12	.....	.....
Guilford	1,814.53	30	1,209.35	201.56	403.62	.....
Halifax	1,589.35	50	1,256.33	133.02	200.00	.....
Jamaica	1,781.67	40	1,361.49	170.18	250.00	.....
Londonderry	2,891.84	30	1,618.56	273.28	1,000.00	.....
Marlboro	1,210.70	40	898.40	112.30	200.00	.....
Newfane	2,842.20	45	2,107.98	234.22	500.00	.....
Putney	2,305.54	25	1,506.58	298.96	500.00	.....
Rockingham	5,968.74	20	2,000.00	2,968.74	1,000.00	.....
Somerset	1,007.08	50	743.62	113.46	150.00	.....
Stratton	885.60	40	696.78	88.82	100.00	.....
Townshend	2,362.68	30	1,389.38	223.30	750.00	.....
Vernon	1,625.21	25	941.75	183.46	500.00	.....
Wardsboro	1,616.10	55	1,295.70	120.40	200.00	.....
Westminster	2,950.02	25	2,204.87	445.15	300.00	.....
Whitingham	3,007.68	40	1,784.74	222.94	1,000.00	.....
Wilmington	3,305.15	25	2,337.63	467.52	500.00	.....
Windham	1,130.79	40	737.88	92.91	300.00	.....
Total	66,800.31	.....	46,840.97	10,909.85	8,929.49	120.00
Windsor:						
Andover	1,214.11	50	909.00	105.11	200.00	.....
Baltimore	19.70	35	.....	19.70	.....	.....
Barnard	1,803.78	35	1,290.59	213.19	300.00	.....
Bethel	4,688.79	20	3,074.00	614.79	1,000.00	.....
Bridgewater	2,031.34	25	1,279.57	251.77	500.00	.....
Cavendish	2,345.05	20	1,876.00	469.05	.....	.....
Chester	4,150.02	25	3,041.68	608.34	500.00	.....
Hartford	20,732.69	45	17,765.12	1,967.57	1,000.00	.....
Hartland	3,446.82	25	2,039.02	407.80	1,000.00	.....
Ludlow	3,981.14	20	2,384.91	596.23	1,000.00	.....
Norwich	2,976.82	30	1,908.70	318.12	750.00	.....
Plymouth	1,048.63	20	598.90	149.73	.....	300.00
Pomfret	1,789.05	25	1,242.57	246.48	300.00	.....
Reading	1,613.94	40	1,256.80	157.14	200.00	.....
Rochester	4,460.46	35	3,027.90	432.56	1,000.00	.....
Royalton	5,273.64	.....	2,741.47	437.37	500.00	1,594.80
Sharon	1,692.24	20	953.79	238.45	500.00	.....
Springfield	5,118.39	20	1,800.00	2,318.39	1,000.00	.....
Stockbridge	2,362.69	.....	1,867.61	195.08	300.00	.....
Weathersfield	2,629.56	20	1,303.65	325.91	1,000.00	.....
Weston	1,201.47	35	1,040.43	161.04	.....	.....
West Windsor	1,393.93	30	990.78	153.15	250.00	.....
Windsor	3,128.19	20	1,487.46	640.73	1,000.00	.....
Woodstock	8,367.08	20	6,582.27	784.81	1,000.00	.....
Total	87,469.53	.....	60,462.22	11,812.51	13,300.00	1,894.80
Grand total for State	617,327.79	.....	388,542.63	96,754.36	115,684.38	16,346.42

MASSACHUSETTS.

TABLE 10.—*Town revenues applied to roads and bridges outside of incorporated cities 1914.*

County and town.	Total town revenues applied to roads and bridges.	Amounts appropriated for—				Amounts paid.	
		Highway repairs.	Highway construction.	Bridge repair.	Bridge construction.	State on State highways covering town's share of cost.	County on county highways.
Barnstable:							
Barnstable	$21,272.93	$19,300.00		$800.00	$800.00	$372.93	
Bourne	41,452.94	10,314.16	$30,872.82			265.96	
Brewster	8,391.00	1,500.00	6,500.00			391.00	
Chatham	11,028.04	10,800.00				228.04	
Dennis	7,810.43	3,780.00	150.00	200.00	3,356.22	324.21	
Eastham	725.00	175.00	500.00	50.00			
Falmouth	36,260.40	18,200.00	5,500.00	1,200.00	10,614.56	745.84	
Harwich	6,125.00	2,425.00	3,500.00	200.00			
Mashpee	390.00	350.00		40.00			
Orleans	9,232.54	4,000.00	4,000.00	100.00	1,000.00	132.54	
Provincetown	6,933.79	6,880.00				53.79	
Sandwich	5,500.25	3,745.38	1,570.43			184.44	
Truro	3,929.34	1,800.00	2,000.00			129.34	
Wellfleet	1,395.46	1,200.00				195.46	
Yarmouth	7,790.24	3,100.00	1,000.00		3,356.23	334.01	
Berkshire:							
Adams	23,080.19	16,746.87	4,156.29	2,004.55		172.48	
Alford	1,006.31	606.31	200.00			200.00	
Becket	5,700.00	2,700.00	[1] 3,000.00				
Cheshire	3,041.97	3,041.97					
Clarksburg	1,254.50	950.00		250.00		54.50	
Dalton	4,600.00	3,600.00		1,000.00			
Egremont	4,985.20	1,661.98	2,726.72		596.50		
Florida	2,500.00	2,500.00					
Great Barrington	14,700.00	10,700.00			4,000.00		
Hancock	1,600.00	1,200.00	400.00				
Hinsdale	2,126.61	1,476.61		650.00			
Lanesborough	2,646.63	2,279.62	[2] 264.01			103.00	
Lee	5,618.00	5,000.00				618.00	
Lenox	161,720.21	10,000.00	150,000.00			1,720.21	
Monterey	3,116.37	1,000.00	150.00	200.00	750.00	1,016.37	
Mount Washington	2,403.87	571.47	[3] 1,832.40				
New Ashford	400.00	200.00		200.00			
New Marlboro	6,800.00	4,300.00	1,250.00		500.00	750.00	
Otis	2,731.01	1,700.00				612.50	$418.51
Peru	1,200.00	1,200.00					
Richmond	5,400.00	3,000.00	1,200.00			1,200.00	
Sandisfield	3,395.90	1,413.29	[4] 1,429.77	552.84			
Savoy	5,500.00	1,500.00	2,000.00			2,000.00	
Sheffield	10,500.00	4,500.00	6,000.00				
Stockbridge	8,074.05	6,945.20		809.97		318.88	
Tyringham	3,606.52	1,262.66	2,343.86				
Washington	2,200.00	1,700.00	500.00				
West Stockbridge	6,734.86	4,210.49	[5] 1,537.02	987.35			
Williamstown	24,281.13	14,500.00	4,000.00	1,600.00	4,000.00	181.13	
Windsor	1,500.00	1,500.00					
Bristol:							
Acushnet	6,029.16	6,000.00				29.16	
Attleboro	38,054.79	37,893.43				161.36	
Berkley	4,202.91	1,194.91	[6] 2,970.00			38.00	
Dartmouth	40,967.32	21,026.67	[7] 17,187.22	6.59	2,645.44	101.40	
Dighton	5,290.06	4,400.00		696.00		194.06	
Easton	10,026.20	10,000.00				26.20	
Fairhaven	16,938.00	3,000.00	1,100.00	1,759.00	6,850.00	4,229.00	
Freetown	11,064.94	3,836.26	4,000.00			3,228.68	
Mansfield	18,231.58	7,000.00	9,100.00		2,100.00	31.58	
North Attleboro	20,133.78	18,000.00	2,000.00			133.78	
Norton	4,673.99	4,500.00				173.99	
Raynham	5,574.10	2,500.00	3,000.00			74.10	
Rehoboth	3,914.54	3,000.00	725.00			189.54	
Seekonk	9,610.01	2,894.81	6,573.09			142.11	
Somerset	7,962.67	4,098.85	1,314.71	86.44		2,462.67	
Swansea	15,150.00	6,000.00	5,150.00				4,000.00
Westport	24,057.56	[8] 1,500.00	19,500.00			70.98	2,986.58

[1] Private subscription.
[2] Received from State.
[3] $54.35 received from State for this account.
[4] $30 received from State for this account.
[5] $1,000 received from State for this account.
[6] $2,151.67 received from State for this account.
[7] $3,000 received from State for this account.
[8] Besides this general appropriation of $1,500 there was $300 for tarring road and $2,700 for the purchase of a portable crusher.

MASSACHUSETTS—Continued.

TABLE 10.—*Town revenues applied to roads and bridges outside of incorporated cities, 1914*—Continued.

County and town.	Total town revenues applied to roads and bridges.	Amounts appropriated for—				Amounts paid.	
		Highway repairs.	Highway construction.	Bridge repair.	Bridge construction.	State on State highways covering town's share of cost.	County on county highways.
Dukes:							
Chilmark	$811.90	$811.90					
Edgartown	3,559.95	1,800.00	$1,500.00	$250.00		$9.95	
Gay Head							
Gosnold	200.00	200.00					
Oak Bluffs	2,455.45	2,000.00	150.00	300.00		5.45	
Tisbury	7,885.66	4,885.66	3,000.00				
West Tisbury	395.93	395.35				.58	
Essex:							
Amesbury	14,000.00	12,000.00		2,000.00			
Andover	31,900.24	17,900.00	13,600.00			400.24	
Boxford	20,020.00	20,020.00					
Danvers	18,100.00	15,100.00	3,000.00				
Essex	2,905.65	2,707.32	95.00	75.00		28.33	
Georgetown	4,300.00	1,800.00	2,500.00				
Groveland	6,549.16	3,029.90	3,000.00			519.26	
Hamilton	6,142.45	6,000.00				142.45	
Ipswich	11,617.54	11,500.00				117.54	
Lynnfield	6,003.52	6,003.52					
Manchester	64,000.00	29,000.00	35,000.00				
Marblehead	13,000.00	13,000.00					
Merrimac	2,083.72	1,925.76				157.96	
Methuen	29,152.83	27,435.94	1,315.01			401.88	
Middleton	2,033.00	1,875.00		158.00			
Nahant	13,334.76	13,034.76	300.00				
Newbury	6,435.75	3,200.00			$3,000.00	235.75	
North Andover	15,019.90	6,000.00	3,200.00	5,170.30		649.60	
Peabody	36,355.39	20,018.78	16,084.63	251.98			
Rockport	4,180.00	4,000.00				180.00	
Rowley	2,568.65	2,250.00				318.65	
Salisbury	6,000.00	4,000.00	1,500.00	500.00			
Saugus	12,266.35	12,000.00				266.35	
Swampscott	81,023.43	19,953.37	60,434.96	175.00		460.10	
Topsfield	11,731.59	10,731.59				1,000.00	
Wenham	4,245.46	2,500.00	1,547.46			198.00	
West Newbury	3,360.55	500.00	2,000.00	500.00		360.55	
Franklin:							
Ashfield	3,500.00	2,000.00	1,000.00	500.00			
Bernardston	1,627.15	1,519.53				107.62	
Buckland	3,014.42	2,500.00		300.00		214.42	
Charlemont	2,774.92	2,524.92				250.00	
Colrain	4,755.10	2,500.00	1,175.00	1,000.00		80.10	
Conway	4,000.00	3,300.00	700.00				
Deerfield	8,210.28	2,701.32	1,991.31	92.62	2,570.99	854.04	
Erving	1,400.00	1,400.00					
Gill	1,350.00	1,000.00	350.00				
Greenfield	20,329.60	20,000.00				329.60	
Hawley	1,800.00	1,700.00	100.00				
Heath	1,300.00	1,300.00					
Leverett	1,500.00	1,150.00			350.00		
Leyden	1,000.00	1,000.00					
Monroe	1,595.90	1,375.05	220.85				
Montague	27,066.05	8,851.94	3,072.13	3,710.79	1,834.79	372.36	$9,224.04
New Salem	1,900.00	1,400.00	500.00				
Northfield	4,149.48	3,000.00		1,149.48			
Orange	6,000.00	6,000.00					
Rowe	1,600.00	1,600.00					
Shelburne	6,700.00	4,200.00	1,500.00		1,000.00		
Shutesbury	1,200.00	1,200.00					
Sunderland	6,833.00	600.00		150.00	6,000.00	83.00	
Warwick	2,000.00	2,000.00					
Wendell	4,000.00	1,200.00	2,800.00				
Whately	6,800.00	1,500.00	2,500.00	300.00		2,500.00	
Hampden:							
Agawam	12,757.27	5,000.00	7,308.39			448.88	
Blandford	17,954.31	3,653.83	13,600.00	700.48			
Brimfield	2,618.03	1,525.46	500.00	400.00		192.57	
Chester	3,330.99	1,800.00		1,200.00		330.99	
East Longmeadow	3,080.00	1,500.00	1,500.00			80.00	
Granville	2,800.00	2,000.00	500.00		300.00		

MASSACHUSETTS—Continued.

TABLE 10.—*Town revenues applied to roads and bridges outside of incorporated cities, 1914*—Continued.

County and town.	Total town revenues applied to roads and bridges.	Amounts appropriated for—				Amounts paid.	
		Highway repairs.	Highway construction.	Bridge repair.	Bridge construction.	State on State highways covering town's share of cost.	County on county highways.
Hampden—Contd.							
Hampden	$1,300.00	$1,100.00	$100.00			$100.00	
Holland	453.35	400.00			$53.35		
Longmeadow	5,700.00	3,500.00	2,200.00				
Ludlow	16,700.00	9,000.00	7,700.00				
Monson	8,499.86	6,240.29	2,259.57				
Montgomery	548.19	490.62		$57.57			
Palmer	13,631.13	9,500.00	1,700.00	1,500.00		931.13	
Russell	4,333.00	4,000.00				333.00	
Southwick	5,750.00	2,000.00	1,800.00	400.00	[1] 200.00 1,350.00		
Tolland	1,650.00	1,450.00		200.00			
Wales	821.48	800.00				21.48	
Westfield	46,215.76	20,400.00	6,000.00	2,000.00	17,000.00	815.76	
West Springfield	40,959.04	11,785.09	27,612.06	1,149.09		412.80	
Wilbraham	4,351.83	4,000.00				351.83	
Hampshire:							
Amherst	27,000.00	9,000.00	6,000.00			12,000.00	
Belchertown	3,117.50	2,500.00	500.00			117.50	
Chesterfield	2,100.00	2,100.00					
Cummington	1,823.75	1,440.00	383.75				
Easthampton	24,654.57	9,500.00	14,987.00			167.57	
Enfield	1,500.00	1,500.00					
Goshen	1,400.00	800.00	300.00			300.00	
Granby	4,800.00	1,800.00	1,500.00		500.00	1,000.00	
Greenwich	1,200.00	700.00	500.00				
Hadley	16,374.41	2,424.95	13,253.79	363.47		332.20	
Hatfield	9,850.00	3,000.00	6,600.00			250.00	
Huntington	5,757.24	2,474.09	2,147.90	416.21	606.04	113.00	
Middlefield	1,357.80	626.90	569.05	161.85			
Pelham	3,400.00	1,400.00	1,500.00			500.00	
Plainfield	900.00	800.00	100.00				
Prescott	1,200.00	1,200.00					
South Hadley	7,754.32	6,920.01	40.06			794.25	
Southampton	2,500.00	2,000.00	500.00				
Ware	13,099.97	12,629.72				470.25	
Westhampton	1,200.00	900.00	300.00				
Williamsburg	9,559.40	2,774.57	[2] 3,880.46	150.43	2,566.23	187.71	
Worthington	2,500.00	2,000.00	500.00				
Middlesex:							
Acton	5,745.34	3,770.78	412.20	1,081.11		481.25	
Arlington	71,170.94	44,710.94	26,460.00				
Ashby	3,754.52	2,500.00	1,000.00			254.52	
Ashland	6,456.41	2,800.00			3,500.00	156.41	
Ayer	5,014.00	2,500.00	2,500.00			14.00	
Bedford	15,216.31	[3] 1,788.14 4,000.00	9,428.17				
Belmont	25,000.00	25,000.00					
Billerica	17,912.73	9,812.73	5,000.00	600.00		2,500.00	
Boxboro	1,365.51	1,000.00	200.00			165.51	
Burlington	4,890.00	2,700.00	2,000.00			190.00	
Carlisle	1,242.10	1,242.10					
Chelmsford	11,684.83	7,160.00				526.59	$3,998.24
Concord	25,000.00	25,000.00					
Dracut	18,086.20	3,000.00	15,000.00			86.20	
Dunstable	828.00	828.00					
Framingham	56,060.76	30,142.68	25,918.08				
Groton	6,000.00	6,000.00					
Holliston	5,835.00	2,800.00	500.00			279.70	2,255.30
Hopkinton	10,000.00	5,000.00	5,000.00				
Hudson	13,725.39	9,200.00				4,525.39	
Lexington	30,601.14	30,227.22				373.92	
Lincoln	12,000.00	12,000.00					
Maynard	10,500.00	4,000.00			6,500.00		
Natick	26,972.55	26,226.99		400.00		345.56	
North Reading	8,150.00	1,000.00	7,000.00			150.00	
Pepperell	5,554.00	2,850.00	1,140.00	1,450.00		114.00	
Reading	23,179.65	19,900.65	2,950.00			329.00	
Sherborn	6,050.00	5,250.00	800.00				
Shirley	2,600.00	1,500.00		200.00	900.00		

[1] Railings.
[2] Received from State $1,500 and from county $1,000 on this account.
[3] Excise.

MASSACHUSETTS—Continued.

TABLE 10.—*Town revenues applied to roads and bridges outside of incorporated cities, 1914*—Continued.

County and town.	Total town revenues applied to roads and bridges.	Amounts appropriated for—				Amounts paid.	
		Highway repairs.	Highway construction.	Bridge repair.	Bridge construction.	State on State highways covering town's share of cost.	County on county highways.
Middlesex—Contd.							
Stoneham	$17,030.14	$11,903.82	$4,876.75			$249.57	
Stow	5,100.00	2,700.00	1,000.00	$400.00		1,000.00	
Tewksbury	8,750.00	750.00	4,000.00				$4,000.00
Townsend	2,687.59	1,800.00	500.00	50.00		337.59	
Tyngsboro	538.50	200.00				338.50	
Wakefield	44,812.19	14,989.95	29,822.24				
Watertown	38,179.88	15,792.00	21,000.00	558.00		154.86	675.02
Wayland	14,333.66	3,504.54	10,589.56			239.56	
Weston	19,932.16	1,932.16	18,000.00				
Wilmington	3,514.92	1,800.00	1,500.00			214.92	
Winchester	66,000.00	51,000.00	15,000.00				
Westford	5,014.23	4,000.00	800.00			214.23	
Nantucket:							
Nantucket	19,720.82	9,000.00	10,000.00			720.82	
Norfolk:							
Avon	7,000.00	1,000.00				6,000.00	
Bellingham	7,446.65	2,843.43	2,157.09		$2,359.82	86.31	
Braintree	21,918.56	21,918.56					
Brookline	134,533.07	78,200.00	54,333.07	2,000.00			
Canton	20,386.07	16,277.47	3,249.21		770.00	89.39	
Cohasset	27,020.00	20,000.00	6,900.00	120.00			
Dedham	52,504.81	28,626.22	9,273.11		14,602.61	2.87	
Dover	8,201.11	7,409.34	506.10	203.12		82.55	
Foxboro	4,845.79	4,255.79			590.00		
Franklin	9,589.84	9,238.35				351.49	
Holbrook	2,200.00	1,800.00				400.00	
Medfield	6,700.00	6,000.00		200.00	500.00		
Medway	4,554.65	3,316.98	994.42	143.25			
Millis	2,700.00	2,700.00					
Milton	77,720.65	27,301.47	30,000.00			20,419.18	
Needham	22,219.13	13,108.51	9,029.02			81.60	
Norfolk	2,093.88	2,000.00				93.88	
Norwood	33,511.16	12,076.98	21,095.87	265.00		73.31	
Plainville	1,628.68	1,400.00		150.00		78.68	
Randolph	7,497.00	7,497.00					
Sharon	8,650.00	6,200.00	2,450.00				
Walpole	10,589.26	7,875.00	863.00	1,750.00		101.26	
Wellesley	28,841.21	20,124.00	8,600.00			117.21	
Weymouth	28,818.00	22,625.00	5,993.00	200.00			
Westwood	7,550.00	7,550.00					
Wrentham	5,000.00	2,500.00	2,500.00				
Plymouth:							
Abington	5,173.96	4,150.00	100.00	800.00		123.96	
Bridgewater	9,353.92	5,000.00	4,300.00			53.92	
Carver	8,250.00	3,250.00	4,900.00	100.00			
Duxbury	24,002.17	7,468.13	[1] 12,251.65	15.25	3,235.72	198.27	833.15
East Bridgewater	8,648.38	6,452.55	[2] 2,059.43	136.40			
Halifax	2,800.00	1,800.00	1,000.00				
Hanover	3,250.00	2,900.00	300.00	50.00			
Hanson	13,350.00	6,575.00	6,575.00	100.00	100.00		
Hingham	27,983.27	21,096.48	3,812.62	220.00	2,689.45	164.72	
Hull	36,381.09	13,899.49	22,481.60				
Kingston	6,030.83	3,866.80	1,997.63			62.26	104.14
Lakeville	5,796.25	5,629.32				166.93	
Marion	19,261.72	5,500.00	7,114.00			6,647.72	
Marshfield	12,746.70	10,000.00	1,800.00			946.70	
Mattapoisett	6,593.63	6,500.00				93.63	
Middleboro	26,584.56	12,500.00	4,800.00		1,500.00	420.21	7,364.35
Norwell	4,990.00	1,000.00	3,990.00				
Pembroke	5,757.29	3,500.00	2,000.00	250.00		7.29	
Plymouth	41,023.30	25,228.52	15,415.90			378.88	
Plympton	2,385.21	1,065.61	[3] 1,228.99	90.61			
Rochester	2,510.65	2,450.00				60.65	
Rockland	19,012.66	18,908.12				104.54	
Scituate	28,311.24	5,000.00	23,000.00			311.24	
Wareham	36,014.77	16,914.11	3,453.79		15,294.20	352.67	
Whitman	18,018.00	9,518.00	5,500.00			3,000.00	
West Bridgewater	5,012.78	2,000.00	2,478.41	457.72		76.65	

[1] $590 received from State for this expense.
[2] $1,582.50 received from State for this expense.
[3] $700 received from State for this expense.

MASSACHUSETTS—Continued.

TABLE 10.—*Town revenues applied to roads and bridges outside of incorporated cities, 1914*—Continued.

County and town.	Total town revenues applied to roads and bridges.	Amounts appropriated for—				Amounts paid.	
		Highway repairs.	Highway construction.	Bridge repair.	Bridge construction.	State on State highways covering town's share of cost	County on county highways.
Suffolk:							
Revere	$41,800.00	$25,000.00	$16,400.00	$400.00			
Winthrop	31,510.00	17,500.00	14,010.00				
Worcester:							
Ashburnham	3,035.85	2,700.00		300.00		$35.85	
Athol	11,645.37	11,645.37					
Auburn	2,057.26 3,374.02	[1] 2,057.26 3,000.00				374.02	
Barre	7,475.50	5,300.00	2,000.00			175.50	
Berlin	1,400.00	[1] 1,400.00 1,000.00				400.00	
Blackstone	5,350.00	3,000.00	1,500.00	850.00			
Bolton	2,000.00	1,000.00	1,000.00				
Boylston	2,593.79	1,920.57	[2] 597.71	75.51			
Brookfield	2,517.87	1,903.28		286.63		327.96	
Charlton	6,961.74	[1] 1,451.11 3,075.00		700.00	$1,200.00	535.63	
Clinton	25,552.73	15,932.32	9,156.74	463.67			
Dana	700.00	700.00					
Douglas	2,504.54	2,353.66				150.88	
Dudley	5,000.00	2,500.00	2,500.00				
Gardner	27,218.76	27,000.00				218.76	
Grafton	18,739.44	7,877.84	8,000.00			2,861.60	
Hardwick	15,500.00	4,500.00	10,000.00		1,000.00		
Harvard	4,974.82	4,850.00				124.82	
Holden	3,000.00	3,000.00					
Hopedale	25,500.00	25,500.00					
Hubbardston	5,767.99	3,138.03	[3] 2,521.21	108.75			
Lancaster	9,000.00	9,000.00					
Leicester	8,000.00	3,000.00	5,000.00				
Leominster	51,491.05	42,219.64	8,939.54			331.87	
Lunenburg	3,784.36	200.00	3,257.94			326.42	
Mendon	1,017.80 2,000.00	[1] 1,017.80 2,000.00					
Milford	16,277.02	13,000.00	3,000.00			277.02	
Millbury	7,716.07	4,000.00	3,000.00	400.00		316.07	
New Braintree	2,400.00	1,400.00	500.00			500.00	
North Brookfield	3,000.00	3,000.00					
Northboro	4,570.32	3,855.11	400.00			315.21	
Northbridge	18,285.29	9,942.09	7,810.46	532.74			
Oakham	1,400.00	1,400.00					
Oxford	4,775.42	4,426.42				349.00	
Paxton	1,280.00	600.00	500.00			180.00	
Petersham	3,800.00	2,800.00	1,000.00				
Phillipston	1,500.00	1,500.00					
Princeton	9,222.70	5,000.00	2,000.00			2,222.70	
Royalston	2,800.00	2,000.00	600.00	200.00			
Rutland	9,541.49	2,448.61	[4] 6,518.98		515.90	58.00	
Shrewsbury	5,938.06	3,405.87	1,635.44	350.00		546.75	
Southboro	8,790.42	6,200.00	2,236.16			354.26	
Southbridge	26,550.00	13,500.00	11,050.00	2,000.00			
Spencer	7,900.00	5,000.00	2,500.00	400.00			
Sterling	38,032.97	3,089.13	[5] 34,582.59			361.25	
Sturbridge	8,083.94	[6] 2,500.00 3,909.78	500.00			167.16	$1,007.00
Sutton	17,500.00	6,000.00	5,000.00		500.00	5,000.00	1,000.00
Templeton	4,153.05	2,500.00	1,000.00	250.00		403.05	
Upton	2,500.00	2,500.00					
Uxbridge	5,672.00	4,000.00		1,500.00		172.00	
Warren	7,000.00	3,000.00	3,000.00	500.00	500.00		
Webster	14,948.07	9,800.00	4,700.00	200.00		248.07	
Westboro	5,268.35	5,268.35					
West Boylston	2,596.07	2,500.00				96.07	
West Brookfield	4,858.50	1,700.00	2,200.00		825.00	133.50	
Westminster	3,000.00	3,000.00					
Winchendon	18,700.00	12,700.00	4,000.00	1,000.00	1,000.00		
Total	3,839,094.23	2,182,104.25	1,295,198.40	61,182.77	135,983.05	126,759.43	37,866.33

[1] Excise.
[2] $600 received from State for this expense.
[3] $1,500 received from State for this expense.
[4] $2,470.57 received from State for this expense.
[5] $32,808.11 received from State for this expense.
[6] State and county tax.

MASSACHUSETTS—Continued.

TABLE 11.—*Expenditures for highway purposes by cities—not including sidewalks and street lighting.*

City.	Total.	City.	Total.	City.	Total.
Attleboro	$25,500.00	Lawrence	$239,375.11	Quincy	$72,002.37
Beverly	71,629.35	Lowell	199,080.42	Revere	21,721.72
Boston	3,204,226.11	Lynn	125,908.90	Salem	62,003.74
Brockton	93,084.89	Malden	116,137.00	Somerville	62,336.61
Cambridge	202,450.00	Marlborough	52,677.01	Springfield	410,574.30
Chelsea	59,169.93	Medford	53,492.44	Taunton	83,967.15
Chicopee	45,149.08	Melrose	40,187.76	Waltham	40,258.99
Everett	29,513.31	New Bedford	203,105.62	Woburn	37,292.14
Fall River	107,102.29	Newburyport	18,295.75	Worcester	161,888.59
Fitchburg	203,967.96	Newton	90,100.00		
Gloucester	47,234.58	North Adams	27,890.26	Total	6,693,206.83
Haverhill	89,348.91	Northampton	22,118.95		
Holyoke	163,232.30	Pittsfield	211,183.29		

RHODE ISLAND.

TABLE 12.—*Revenues appropriated by towns from general funds for town roads and bridges, 1914.*

County and town.	Amount.	County and town.	Amount.	County and town.	Amount.
Bristol:		Newport—Cont'd.		Providence—Cont'd.	
Barrington	$7,000	New Shoreham	$1,500	Scituate	$4,000
Bristol	7,000	Portsmouth	8,500	Smithfield	4,000
Warren	6,300	Tiverton	4,500	Washington:	
Kent:		Providence:		Charleston	1,800
Coventry	7,500	Burrellville	9,000	Exeter	1,500
East Greenwich	3,000	Cumberland	[1] 56,000	Hopkinton	2,500
Warwick	2,500	East Providence	2,200	Narragansett	13,000
West Greenwich	3,000	Foster	2,200	North Kingston	6,000
West Warwick	12,000	Gloucester	2,000	Richmond	3,000
Newport:		Johnston	5,000	South Kingston	9,000
Jamestown	8,000	Lincoln	3,000	Westerly	27,500
Little Compton	1,500	North Providence	5,000		
Middletown	7,000	North Smithfield	8,000	Total	244,000

[1] Includes $40,000 for bridges.

CONNECTICUT.

TABLE 13.—*Town revenue applied to roads and bridges, fiscal year 1914–15.*

County and town.	Total.	Appropriated by towns for—	
		Town roads.	Town bridges.
Fairfield:			
Bethel	$4,439.15	$4,439.15	
Brookfield	3,417.51	3,111.30	$306.21
Danbury	25,154.07	21,787.11	3,366.96
Darien	11,415.43	11,415.43	
Easton	3,099.13	2,863.95	235.18
Fairfield	17,103.02	13,857.90	3,245.12
Greenwich	113,508.33	113,508.33	
Huntington	8,887.24	8,887.24	
Monroe	2,147.19	2,092.85	54.34
New Canaan	16,102.79	13,405.87	2,696.92
New Fairfield	1,875.92	1,548.00	327.92
Newtown	13,198.94	9,517.64	3,681.30
Redding	5,488.82	4,274.49	1,214.33
Ridgefield	11,820.34	10,720.49	1,099.85
Sherman	2,028.15	1,690.14	338.01
Stamford	28,606.88	26,083.78	2,523.10
Stratford	13,778.68	13,009.83	768.85
Trumbull	1,819.24	1,665.04	154.20
Weston	1,679.86	1,679.86	
Westport	29,809.62	19,742.48	10,067.14
Wilton	5,151.55	2,893.24	2,258.31

CONNECTICUT—Continued.

TABLE 13.—*Town revenue applied to roads and bridges, fiscal year 1914–15*—Continued.

County and town.	Total.	Appropriated by towns for—	
		Town roads.	Town bridges.
Hartford:			
Avon	$1,620.20	$1,620.20	.....
Berlin	5,863.19	5,863.19	.....
Bloomfield	10,408.13	9,382.07	$1,026.06
Canton	8,752.80	6,142.26	2,610.54
Hartford	3,010.37	2,987.87	22.50
East Hartford	22,678.53	22,085.73	592.80
East Windsor	9,839.97	7,614.77	2,225.20
Enfield	28,245.16	28,245.16	.....
Farmington	8,121.35	8,121.35	.....
Glastonbury	17,246.56	15,842.36	1,404.20
Granby	3,232.76	2,445.26	787.50
Hartland	1,579.12	1,579.12	.....
Manchester	32,603.85	26,788.96	5,814.89
Marlboro	1,103.94	1,001.96	101.98
Newington	2,151.52	2,151.52	.....
Plainville	5,039.87	5,039.87	.....
Rocky Hill	1,433.98	1,014.55	419.43
Simsbury	15,990.43	12,798.91	3,191.52
Southington	9,694.15	9,694.15	.....
South Windsor	15,299.26	14,847.15	452.11
Suffield	14,801.46	14,226.41	575.05
West Hartford	24,266.20	21,612.62	2,653.58
Wethersfield	3,763.01	3,763.01	.....
Windsor	13,148.40	12,389.42	758.98
Windsor Locks	4,302.67	4,302.67	.....
Litchfield:			
Bethlehem	1,750.36	1,168.99	581.37
Bridgewater	1,781.14	1,565.24	215.90
Canaan	1,879.16	1,879.16	.....
Colebrook	6,709.10	2,307.73	4,401.37
Cornwall	6,009.89	5,044.84	965.05
Goshen	4,317.71	4,317.71	.....
Harwinton	2,973.54	1,966.22	1,007.32
Kent	5,850.95	5,850.95	.....
Litchfield	12,123.67	10,178.54	1,945.13
Morris	1,182.61	931.05	251.56
New Hartford	7,524.66	4,927.11	2,597.55
New Milford	18,374.45	15,015.29	3,359.16
Norfolk	10,337.36	10,337.36	.....
North Canaan	5,432.78	5,432.78	.....
Plymouth	3,394.98	2,682.47	712.51
Roxbury	2,345.50	2,083.94	261.56
Salisbury	6,376.09	6,376.09	.....
Sharon	10,020.82	10,020.82	.....
Thomaston	5,914.18	5,152.34	761.84
Torrington	20,173.47	20,173.47	.....
Warren	1,552.32	1,369.20	183.12
Washington	6,757.69	5,909.85	847.84
Watertown	10,563.34	8,649.25	1,914.09
Winchester	32,233.58	20,316.50	11,917.08
Woodbury	4,817.99	4,817.99	.....
Middlesex:			
Chatham	6,067.31	6,067.31	.....
Chester	4,295.36	4,295.36	.....
Clinton	2,597.29	2,597.29	.....
Cromwell	1,468.98	1,189.65	279.33
Durham	2,409.03	1,336.31	1,072.72
East Haddam	5,136.21	5,136.21	.....
Essex	1,735.71	1,735.71	.....
Haddam	3,409.49	3,409.49	.....
Killingworth	2,216.92	1,979.61	237.31
Middlefield	3,596.00	2,000.70	1,595.30
Middletown	16,604.22	13,588.72	3,015.50
Old Saybrook	1,268.78	749.62	519.16
Portland	2,858.02	2,504.62	353.40
Saybrook	2,132.34	2,132.34	.....
Westbrook	1,888.65	1,812.35	76.30
New Haven:			
Beacon Falls	1,019.87	634.33	385.54
Bethany	2,978.23	2,978.23	.....
Branford	6,084.72	6,084.72	.....
Cheshire	3,173.77	3,173.77	.....
East Haven	1,558.39	1,514.50	43.89
Guilford	4,557.03	4,058.95	498.08

CONNECTICUT—Continued.

TABLE 13.—*Town revenue applied to roads and bridges, fiscal year 1914–15*—Continued.

County and town.	Total.	Appropriated by towns for—	
		Town roads.	Town bridges.
New Haven—Continued			
Madison	$4,580.06	$3,944.77	$635.29
Meriden	24,902.38	24,902.38	.....
Middlebury	2,443.57	2,030.21	413.36
Milford	14,043.42	13,390.48	652.94
North Branford	1,894.68	1,471.56	423.12
North Haven	4,037.79	3,748.03	289.76
Orange	16,525.79	13,057.05	3,468.74
Oxford	2,665.53	2,665.53	.....
Prospect	1,181.60	1,181.60	.....
Seymour	9,515.84	6,900.88	2,614.96
Southbury	4,873.74	4,873.74	.....
Wallingford	6,121.07	4,294.34	1,826.73
Wolcott	1,911.26	1,911.26	.....
Woodbridge	3,613.58	3,347.01	266.57
New London:			
Bozrah	1,501.34	951.66	549.68
Colchester	3,608.29	3,608.29	.....
East Lyme	8,841.17	8,841.17	.....
Franklin	1,479.81	1,479.81	.....
Griswold	3,893.30	3,321.77	571.53
Groton	10,861.65	10,861.65	.....
Lebanon	4,071.76	4,071.76	.....
Ledyard	3,319.44	3,319.44	.....
Lisbon	477.14	428.22	48.92
Lyme	1,250.02	1,033.06	216.96
Montville	5,185.23	3,855.07	1,330.16
North Stonington	3,463.28	3,463.28	.....
Norwich	43,901.17	41,537.40	2,363.77
Old Lyme	1,374.35	1,374.35	.....
Preston	3,483.69	3,483.69	.....
Sprague	16,199.90	2,938.24	13,261.66
Stonington	18,200.12	16,963.76	1,236.36
Volunton	896.77	896.77	.....
Waterford	8,489.28	8,489.28	.....
Tolland:			
Andover	752.40	641.32	111.08
Bolton	1,247.10	1,247.10	.....
Columbia	970.75	888.81	81.94
Coventry	4,289.63	2,951.36	1,338.27
Ellington	4,911.01	4,911.01	.....
Hebron	1,182.76	1,182.76	.....
Mansfield	9,139.22	7,907.20	1,232.02
Somers	4,174.88	4,174.88	.....
Stafford	3,937.03	3,092.11	844.92
Tolland	3,704.06	3,704.06	.....
Union	995.15	995.15	.....
Vernon	10,129.35	9,614.95	514.40
Willington	6,248.83	2,443.82	3,805.01
Windham:			
Brooklyn	2,161.81	2,161.81	.....
Canterbury	2,310.88	911.50	1,399.38
Chaplin	879.73	821.03	58.70
Eastford	166.71	.....	166.71
Hampton	1,404.59	1,270.63	133.96
Killingly	4,991.65	3,768.41	1,223.24
Plainfield	6,032.39	5,120.37	912.02
Pomfret	11,479.52	9,941.19	1,538.33
Putnam	4,607.90	1,203.20	3,404.70
Scotland	1,279.40	1,279.40	.....
Sterling	3,053.21	1,770.06	1,283.15
Thompson	7,954.86	7,582.08	372.78
Windham	15,860.42	7,970.80	7,889.62
Woodstock	7,924.92	6,109.19	1,815.73
Total	1,212,780.58	1,059,511.05	153,269.53

APPENDIX B.

TABLES OF BOND ISSUES.

Massachusetts is the only State of the New England group in which the towns have issued road-improvement bonds. The State issues, together with those of the towns, are hereby presented in tabulated form.

MASSACHUSETTS.

TABLE 14.—*Massachusetts State highway bonds.*

Date issued.	Amount issued.	Date of maturity.	Interest rate.	Date issued.	Amount issued.	Date of maturity.	Interest rate.
			Per ct.				*Per ct.*
1894....	$300,000	Apr. 1, 1920.....	3.5	1910....	$52,500	Oct. 1, 1915, to Oct. 1, 1919; $10,500 each year.	3.5
1895....	400,000	.....do.....	3.5				
1896....	600,000	.....do.....	3.5				
1897....	700,000	Apr. 1, 1927.....	3.5	1910....	180,000	Oct. 1, 1920, to Oct. 1, 1939; $9,000 each year.	3.5
1898....	300,000	Apr. 1, 1928.....	3.5				
1899....	400,000	Apr. 1, 1929.....	3				
1900....	400,000	Apr. 1, 1930.....	3	1911....	66,000	Oct. 1, 1915, to Oct. 1, 1920; $11,000 each year.	3.5
1901....	350,000	Apr. 1, 1931.....	3				
1902....	10,000	Apr. 1, 1932.....	3				
1902....	365,000	.....do.....	3.5	1911....	200,000	Oct. 1, 1921, to Oct. 1, 1940; $10,000 each year.	3.5
1903....	400,000	Apr. 1, 1933.....	3.5				
1904....	300,000	Apr. 1, 1932.....	3.5				
1905....	160,000	Apr. 1, 1915, to Apr. 1, 1930; $10,000 each year.	3.5	1912....	122,500	Oct. 1, 1915, to Oct. 1, 1921; $17,500 each year.	3.5
1906....	220,000	Apr. 1, 1915, to Apr. 1, 1936; $10,000 each year.	3.5	1912....	85,000	Oct. 1, 1922, to Oct. 1, 1926; $17,000 each year.	3.5
1907....	276,000	Apr. 1, 1915, to Apr. 1, 1937; $12,000 each year.	3.5	1912....	120,000	Oct. 1, 1927, to Oct. 1, 1936; $12,000 each year.	3.5
1908....	396,000	Apr. 1, 1915, to Apr. 1, 1938; $16,500 each year.	3.5	1912....	55,000	Oct. 1, 1937, to Oct. 1, 1941; $11,000 each year.	3.5
1909....	1,000	Oct. 1, 1914.....	3	1913....	648,000	Oct. 1, 1915, to Oct. 1, 1922; $81,000 each year.	3.5
1909....	40,000	Oct. 1, 1915, to Oct. 1, 1919; $8,000 each year.	3				
				1913....	300,000	Oct. 1, 1923, to Oct. 1, 1927; $60,000 each year.	3.5
1909....	120,000	Oct. 1, 1920, to Oct. 1, 1939; $6,000 each year.	3				
				1914....	697,500	Oct. 1, 1915, to Oct. 1, 1923; $77,500 each year.	3.5
1909....	40,000	Oct. 1, 1915, to Oct. 1, 1919; $8,000 each year.	3.5				
				1914....	295,000	Oct. 1, 1924, to Oct. 1, 1928; $59,000 each year.	3.5
1909....	100,000	Oct. 1, 1920, to Oct. 1, 1939; $5,000 each year.	3.5				
				Total	8,699,500		

TABLE 15.—*Town road and bridge bonds and notes.*

County and town.	Total outstanding bonds to Jan. 1, 1915.	Amount expended during 1914.	Amount retired during 1914.	Amount sold during 1914.		
				Amount.	Term in years.	Interest rate.
Barnstable:						*Per cent.*
Barnstable	$41,500.00					
Bourne	40,300.00	$16,491.33	$7,100.00			
Brewster	13,800.00	3,460.00	2,400.00	$4,000.00	4	4
Dennis	7,652.34	3,356.02	3,750.00	3,356.02	1 to 5	4
Eastham	2,020.00		580.00			
Falmouth	23,500.00	9,455.15	5,500.00	3,500.00	Demand.	5
Harwich	12,590.00	4,101.71	1,709.50	8,100.00	1 to 5	4½ to 5½
Mashpee	2,400.00	300.00				
Orleans		20,000.00			¼ to ½	3.6
Sandwich	8,000.00		1,000.00			
Truro	2,000.00	2,000.00		2,000.00	5	4
Yarmouth	10,356.23	4,356.23	3,250.00	4,356.23	1 to 3	4
Total	164,118.57	63,520.44	25,289.50	25,312.25		

MASSACHUSETTS—Continued.

TABLE 15.—*Town road and bridge bonds and notes*—Continued.

County and town.	Total outstanding bonds to Jan. 1, 1915.	Amount expended during 1914.	Amount retired during 1914.	Amount sold during 1914.		
				Amount.	Term in years.	Interest rate.
Berkshire:						*Per cent.*
Adams	$41,000.00		$6,900.00			
Lee	2,500.00		2,500.00			
Monterey	700.00	$700.00		$700.00	½	6
Richmond	1,000.00	5,000.00	4,000.00			5
Sandisfield	1,000.00					
Savoy	3,000.00	1,500.00		3,000.00	5 to 10	4½ and 5
Stockbridge	5,000.00		5,000.00			
Windsor				1,000.00	6	
Total	54,200.00	7,200.00	18,400.00	4,700.00		
Bristol:						
Dartmouth	13,600.00	4,600.00	3,500.00	4,600.00	1 to 4	4 and 6
Dighton	15,500.00	8,000.00	2,000.00	8,000.00	4	4 and 5
Fairhaven	59,450.00	6,850.00	4,664.00	6,850.00	1 to 5	4¾
North Attleboro	12,000.00		4,000.00			
Norton	6,100.00		1,900.00			
Somerset	7,500.00	2,462.67	1,000.00	3,500.00	1 to 5	4
Swansea	2,000.00					
Westport	27,800.00	14,000.00	7,000.00	16,500.00	1 to 5	4½
Total	143,950.00	35,912.67	24,064.00	39,450.00		
Dukes:						
Chilmark	1,000.00		675.00			
Edgartown	1,500.00	1,500.00		1,500.00	10	4½
Total	2,500.00	1,500.00	675.00	1,500.00		
Essex:						
Amesbury	13,000.00		3,000.00			
Groveland			1,000.00			
Ipswich	5,000.00					
Manchester	30,000.00	26,402.27		60,000.00	1 to 3	4
Marblehead	30,000.00		55,000.00			
Nahant	25,000.00		5,000.00			
Salisbury	8,000.00					
Swampscott	83,840.00	59,621.96		77,600.00	1 to 20	4
Total	194,840.00	86,024.23	64,000.00	137,600.00		
Franklin:						
Buckland		2,200.00				
Charlemont			1,500.00			
Deerfield	8,000.00	2,570.99	1,000.00			
Monroe	250.00		250.00			
Montague	8,000.00	1,000.00	1,000.00			
Northfield				30,000.00	30	3½
Sunderland	5,500.00	6,250.00	250.00	6,000.00	1 to 5	5
Total	21,750.00	12,020.99	4,000.00	36,000.00		
Hampden:						
East Longmeadow	1,250.00	1,250.00	1,000.00	1,250.00	1	5
Longmeadow	32,500.00		6,000.00			
Palmer			5,900.00			
Russell	10,000.00		1,600.00			
West Springfield	17,000.00		1,000.00			
Total	60,750.00	1,250.00	15,500.00	1,250.00		
Hampshire:						
Belchertown		3,559.29				
Blandford	5,600.00	2,600.00	1,000.00	2,600.00	5	4½
Granby		2,500.00	3,500.00			
Hatfield	6,000.00	6,600.00		6,600.00	1 to 3	4½
Huntington	4,500.00		500.00			
South Hadley	12,735.86		4,250.00			
Ware	31,100.00		4,850.00			
Williamsburg	2,500.00	2,500.00		2,500.00	1 to 10	5
Total	62,435.86	17,759.29	14,100.00	11,700.00		

MASSACHUSETTS—Continued.

TABLE 15.—*Town road and bridge bonds and notes*—Continued.

County and town.	Total outstanding bonds to Jan. 1, 1915.	Amount expended during 1914.	Amount retired during 1914.	Amount sold during 1914.		
				Amount.	Term in years.	Interest rate.
Middlesex:						*Per cent.*
Arlington	$18,700.00	$9,227.79	$6,000.00	$8,700.00	1 to 10	4 and 4½
Ashland	2,500.00			2,500.00	1 to 5	
Ayer	4,000.00		500.00	5,000.00	1 to 10	4
Bedford	3,000.00	2,000.00	1,000.00	2,000.00	1 and 2	5½
Billerica	13,000.00		2,000.00	13,000.00	1 to 6	4½
Concord	50,500.00	15,836.58	21,000.00	5,000.00	1 to 5	4
Dracut	11,000.00		2,000.00			
Holliston	4,000.00		1,000.00	5,000.00	1 to 5	
Hopkinton		5,000.00				
Tewksbury	2,000.00	2,000.00		2,000.00		4¼
Tyngsboro	350.00	127.50	127.50			
Wakefield	30,000.00	23,700.00	6,000.00	18,000.00	1 to 3	4
Watertown	111,000.00	6,516.11	11,000.00	8,000.00	3 and 5	4½
Wayland	8,000.00	6,000.00	500.00	6,000.00	1 to 3	4½ and 5
Total	258,050.00	70,407.98	51,127.50	85,200.00		
Nantucket: Nantucket	43,500.00		6,500.00			
Norfolk:						
Bellingham	1,600.00	1,600.00	1,000.00	1,600.00	1	4
Brookline	276,750.00	18,454.21	57,050.00	40,000.00	1 to 8	4
Dedham	32,740.00	21,425.61	5,500.00	25,000.00	1 to 20	4
Medfield	1,000.00		2,500.00			
Medway	1,458.69					
Millis	2,200.00		1,600.00			
Norwood	5,200.00	2,900.00	1,000.00	2,900.00	1 and 2	4
Walpole			1,500.00			
Weymouth	3,000.00		1,000.00			
Total	323,948.69	44,379.82	71,150.00	69,500.00		
Plymouth:						
Duxbury	22,000.00	15,487.37		22,000.00	1 to 5	4½
East Bridgewater	1,500.00		1,500.00			
Hingham	13,372.20		5,500.00			
Hull	89,675.00	19,954.78		17,000.00	1 to 10	4
Lakeville	1,500.00		1,500.00			
Marion	2,200.00	2,200.00		2,200.00	1	6
Middleboro	3,200.00	4,800.00		3,200.00	1 and 2	4½
Plymouth	13,500.00					
Wareham	13,920.00	13,500.00	1,710.00	13,500.00		
Whitman	3,000.00	1,308.55	1,000.00			
Total	163,867.20	57,250.70	11,210.00	57,900.00		
Worcester:						
Ashburnham	1,500.00		1,500.00			
Athol	46,500.00	8,715.77	7,750.00			
Blackstone	7,000.00	5,350.00	1,500.00	4,500.00	1 to 8	3 and 4¼
Brookfield	4,967.50					
Clinton	9,400.00		2,400.00			
Grafton	11,470.00	2,485.46	1,100.00	3,000.00	6	4
Hardwick	14,500.00	14,500.00		14,500.00		4
Northbridge	2,500.00		1,000.00			
Princeton	1,950.00			1,950.00	1 to 2	4 and 5
Rutland	500.00	500.00		500.00	1 to 5	5
Southbridge		11,050.00	3,683.33	11,050.00	3	4
Spencer			1,050.00			
Sterling	4,000.00		1,000.00			
Templeton	2,000.00		2,000.00			
Uxbridge	5,000.00			5,000.00	5	4½
West Brookfield	825.00	812.15		825.00	1 and 2	6
Total	112,112.50	43,413.38	22,983.33	41,325.00		
Grand total	1,606,022.82	440,639.50	328,999.33	511,437.25		

APPENDIX C.

ROAD MILEAGE TABLES.

Tables referred to in the text, showing the miles of public roads in the respective States, outside of the incorporated cities.

MAINE.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914.*

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.[1]	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Androscoggin:									
Durham	80.00			1.47		1.47			0.26
East Livermore	33.00	0.73	0.46	0.56		1.75			
Greene	80.00			3.86		3.86			.78
Leeds	80.00			3.20		3.20			
Lisbon	65.00		.12	2.39	10.00	12.51			
Livermore	90.00	.06		1.48		1.54			
Mechanic Falls	28.00			2.20		2.20			
Minot	125.00			.85		.85			.11
Poland	80.00			6.27		6.27			.22
Turner	224.40			3.23	10.00	13.23			
Wales	28.00			1.49		1.49			.26
Webster	45.00			2.79		2.79			
Total	958.40	.79	.58	29.79	20.00	51.16	5.33	−157.52	1.63
Aroostook:									
Allagash	14.00								
Amity	19.00			3.92		3.92			
Ashland	33.00			9.60		9.60			1.76
Bancroft	25.00			.77		.77			.65
Bennedicta	12.00			1.26		1.26			.06
Blaine	30.00			1.18		1.18			
Bridgewater	26.00			11.94		11.94			.05
Cary	29.00			1.51		1.51			
Caribou	175.00	1.01		1.99		3.00			
Castle Hill	27.00			1.35		1.35			.50
Caswell	20.00			1.70		1.70			
Chapman	14.00			1.51		1.51			.10
Connor	15.00			2.92		2.92			
Crystal	22.00			2.56		2.56			1.10
Cyr	15.00			1.09		1.09			.38
Dyer Brook	13.00			2.76		2.76			.58
E. Plantation	3.01								
Eagle Lake	12.00			1.54		1.54			2.40
Easton	50.00			2.49		2.49			1.82
Forkstown	7.00								
Fort Fairfield	150.00	1.51		3.21		4.72			1.00
Fort Kent	100.00			17.52		17.52			.44
Frenchville	37.00			.76		.76			
Garfield	5.00								
Glenwood	9.00			.05		.05			
Grand Isle	25.00			1.09		1.09			
Hamlin	17.00			1.24		1.24			.29
Hammond	5.00			.39		.39			
Haynesville	18.00			1.35		1.35			.10
Hersey	13.00			2.08		2.08			
Hodgdon	60.00			2.07		2.07			
Houlton	82.00	3.39		43.11		46.50			.09
Island Falls	28.00			1.94		1.94			.27
Limestone	50.00			2.86		2.86			.50
Linneus	35.00			1.77		1.77			.18

[1] Classification not given except as indicated in footnote.

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Per-centage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bitumi-nous.						
Aroostook—Contd.									
Littleton	40.00			8.90		8.90			
Ludlow	22.00			3.08		3.08			
Macwahoc	12.00			2.22		2.22			1.93
Madawaska	40.00			.51		.51			.15
Mapleton	50.00			.98		.98			.05
Mars Hill	50.00			3.30		3.30			
Masardis	18.00			1.09		1.09			.10
Merrill	21.00			1.29		1.29			.63
Molunkus	5.00								
Monticello	46.00			4.89		4.89			
Moro	14.00			.82		.82			1.00
Nashville	5.00								
New Canada	20.00			.23		.23			.96
New Limerick	24.00			7.80		7.80			.22
New Sweden	42.00			8.26		8.26			2.14
Oakfield	52.00			4.04		14.04			1.33
Orient	17.00			1.03		.03			.37
Oxbow	4.00			.17		.17			
Perham	30.00			3.09		3.09			.61
Portage Lake	8.00			1.29		1.29			
Presque Isle	150.00			2.24		2.24			
Reed	21.00			.72		.72			.16
St. Agatha	20.00			.71		.71			
St. Francis	11.00			2.27		2.27			.71
St. John	6.00			2.06		2.06			
Sherman	53.00	6.21				6.21			.59
Silver Ridge	10.00			1.05		1.05			
Smyrna	20.00			2.53		2.53			.88
Stockholm	7.00			.55		.55			
Van Buren	40.00			5.93		5.93			
Wade	20.00			.84		.84			
Wallagrass	16.00			.22		.22			.33
Washburn	50.00			4.16		4.16			
Westfield	15.00			1.42		1.42			
Westmoreland	6.00								
Weston	22.00			3.03		3.03			.88
Winterville	6.00								
Woodland	60.00			4.24		4.24			
Total	2,248.01	12.12		214.49		226.61	10.08	67.61	25.31
Cumberland:									
Baldwin	50.00			1.417	0.093	1.510			.57
Bridgton	140.00			4.604		4.604			2.89
Brunswick	200.00	.871	3.959	1.534		6.364			.019
Cape Elizabeth	30.00			1.324	10.00	11.324			
Casco	50.00			7.142	20.00	27.142			.699
Cumberland	72.00		3.16	2.34	36.00	41.50			.081
Falmouth	56.00		4.054	1.929	28.00	33.983			
Freeport	260.00	.227	7.57	2.346		10.143			.606
Gorham	300.00			2.678	30.00	32.678			.414
Gray	63.00			7.32		7.32			
Harpswell	50.00			2.994		2.994			
Harrison	60.00			3.18		3.18			.756
Naples	60.00			3.296		3.296			
New Gloucester	115.00			3.062	25.00	28.062			.431
North Yarmouth	45.00			1.97		1.97			.045
Otisfield	72.00			2.77		2.77			.317
Pownal	50.00			1.549		1.549			.114
Raymond	60.00			.645		.645			1.97
Scarboro	110.00			4.266	50.00	54.266			
Sebago	50.00			.59		.59			
Standish	100.00	.701		1.239	.148	2.088			.129
Windham	100.00			5.034		5.034			.057
Yarmouth	40.00		3.47	2.277		5.747			
Total	2,133.00	1.799	22.213	65.506	199.241	288.759	13.86	−178.471	9.098

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Franklin:									
Avon	50.00			1.69		1.69			0.18
Carthage	40.00			2.67	0.75	3.42			.18
Chesterville	60.00			1.96		1.96			.63
Coplin	10.00			4.35		4.35			
Crockertown	3.00			.26		.26			.81
Dallas	12.00			1.59		1.59			
Farmington	80.00	0.65		7.67		8.32			
Freeman	48.00			1.54		1.54			
Fustis	12.00			2.87		2.87			
Industry	35.00			1.88		1.88			.76
Jay	127.00	.88		1.52		2.40			.10
Jerusalem	12.00			.52		.52			.77
Kingfield	23.00			2.68		2.68			
Lang	8.00			2.02	3.00	5.02			
Madrid	35.00			2.73	20.00	22.73			
New Sharon	75.00			1.96		1.96			.12
New Vineyard	70.00			1.35	10.00	11.35			.08
Perkins	5.00			.03		.03			.04
Phillips	100.00			3.96	25.00	28.96			.92
Rangeley	27.00			1.86		1.86			.90
Rangeley (plantation)	8.00			.96		.96			.48
Salem	20.00			.87		.87			.66
Sandy River	10.00			1.81		1.81			
Strong	50.00			4.92		4.92			.11
Temple	70.00			1.46	30.00	31.46			.07
Washington	2.00			.69		.69			
Weld	60.00			5.04		5.04			.08
Wilton	66.00			4.19		4.19			.76
Wyman	4.00			.26		.26			
No. 6 (Berlin) Township	2.00			.23		.23			.11
Total	1,124.00	1.53		65.54	88.75	155.82	13.86	47.32	7.76
Hancock:									
Amherst	20.00			1.71		1.71			
Aurora	20.00			1.15		1.15			
Bluehill	70.00			4.06	10.00	14.06			
Brooklin	30.00			1.94		1.94			.11
Brooksville	50.00			3.02		3.02			.11
Bucksport	100.00	.31		1.25		1.56			.08
Castine	30.00			2.55	15.00	17.55			.25
Cranberry Isles	3.50			.19		.19			
Dedham	25.00			.96		.96			.33
Deer Isle	80.00			2.00		2.00			.23
East Brook	16.00			1.33		1.33			
Eden	130.00	7.29	1.49		15.00	23.78			
Franklin	32.00			1.03	10.00	11.03			.14
Gouldsboro	35.00			1.67		1.67			.25
Hancock	52.00			1.74	4.00	5.74			
Isle au Haut	9.00			.57		.57			
Lamoine	28.00			2.58		2.58			.30
Long Island	1.00								
Mariaville	27.00			.64		.64			
Mount Desert	62.00	.53		1.57		2.10			.42
Orland	80.00			3.33	8.00	11.33			.37
Otis	14.00			1.77		1.77			
Penobscot	47.50			2.36		2.36			.11
Sedgwick	36.00			2.76	.16	2.92			
Sorrento	12.00			.87	4.00	4.87			
Southwest Harbor	18.00			1.02		1.02			.16
Stonnington	20.00	.09		1.94		2.03			.14
Sullivan	26.00			1.57	6.00	7.57			
Surry	45.00			5.09	3.00	8.09			
Swans Island	24.00			.66		.66			.29
Tremont	22.00			.70		.70			.09
Trenton	20.00			6.82		6.82			.07
Verona	12.00			.96		.96			.96

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Hancock—Contd.									
Waltham	22.00	.....	.....	1.79	.....	1.79	.....	.....	.....
Winter Harbor	16.00	.....	.....	1.03	6.00	7.03	.....	.....	0.26
No. 7	1.00	.....	.....	.03	.....	.03	.....	.....	.....
No. 8, southern division	2.00	.....	.....	.02	.....	.02	.....	.....	.....
No. 9	5.00	.....	.....	.07	.....	.07	.....	.....	.....
No. 10	6.00	.....	.....	.01	.....	.01	.....	.....	.....
No. 21	2.50	.....	.....	1.06	.....	1.06	.....	.....	.....
No. 22	7.00	.....	.....	.11	.....	.11	.....	.....	.....
No. 28	2.50	.....	.....	.15	.....	.15	.....	.....	.....
No. 33	3.00	.....	.....	.54	.....	.54	.....	.....	.....
Total	1,264.00	8.22	1.49	64.62	81.16	155.49	12.30	34.87	4.67
Kennebec:									
Albion	80.00	.....	.....	5.46	.....	5.46	.....	.....	.....
Belgrade	75.00	.....	.....	3.96	.....	3.96	.....	.....	.....
Benton	50.00	.....	.....	4.16	.....	4.16	.....	.....	.17
Chelsea	58.00	.....	.....	2.87	.....	2.87	.....	.....	.....
China	92.00	.....	.....	4.08	.....	4.08	.....	.....	1.50
Clinton	80.00	.....	.....	7.53	.....	7.53	.....	.....	.28
Farmingdale	26.00	.10	.....	6.17	.....	6.27	.....	.....	.....
Fayette	60.00	.....	.....	1.94	.....	1.94	.....	.....	.....
Litchfield	100.00	.....	.....	4.13	.....	4.13	.....	.....	.96
Manchester	45.00	.....	.....	.62	.....	.62	.....	.....	1.16
Monmouth	90.00	1.30	.....	4.28	.....	5.58	.....	.....	.36
Mount Vernon	72.00	.....	.....	2.63	.....	2.63	.....	.....	.97
Oakland	72.00	.....	.08	2.02	.....	2.10	.....	.....	.63
Pittston	70.00	.....	.....	2.33	20.00	22.33	.....	.....	.....
Randolph	8.00	.....	.02	1.50	4.00	5.52	.....	.....	.....
Readfield	66.00	.....	.....	6.23	.....	6.23	.....	.....	.49
Rome	33.00	.....	.....	1.80	.....	1.80	.....	.....	.59
Sidney	74.00	.....	.....	1.21	.....	1.21	.....	.....	.....
Unity	4.00	.....	.....	.56	.....	.56	.....	.....	.28
Vassalboro	100.00	.....	.....	7.72	.....	7.72	.....	.....	.....
Vienna	34.00	.....	.....	2.13	.....	2.13	.....	.....	2.23
Wayne	45.00	.....	.....	.77	.....	.77	.....	.....	.37
West Gardiner	36.00	.....	.....	1.26	.....	1.26	.....	.....	.08
Windsor	50.00	.....	.....	3.49	15.00	18.49	.....	.....	.....
Winslow	80.00	.43	.....	.84	[1] 40.05	41.32	.....	.....	.35
Winthrop	62.00	.....	.....	5.69	.....	5.69	.....	.....	.34
Total	1,562.00	1.83	.10	85.38	79.05	166.36	10.65	31.36	10.76
Knox:									
Appleton	65.00	.....	.....	2.27	.....	2.27	.....	.....	.47
Camden	50.00	.25	.13	1.89	.....	2.27	.....	.....	.....
Cushing	26.00	.....	.....	1.86	.....	1.86	.....	.....	.....
Friendship	26.00	.....	.....	4.14	.....	4.14	.....	.....	.....
Hope	40.00	.....	.....	5.69	.....	5.69	.....	.....	.47
Hurricane Isle	1.00	.....	.....	.....	.....	.....	.....	.....	.....
Matinicus Isle	3.00	.....	.....	.....	.....	.....	.....	.....	.....
North Haven	25.00	.....	.....	.83	.....	.83	.....	.....	.22
Rockport	45.00	.....	4.47	1.57	.06	6.10	.....	.....	.....
St. George	50.00	.....	.....	3.50	.....	3.50	.....	.....	.29
South Thomaston	40.00	.....	.....	6.25	.....	6.25	.....	.....	.....
Thomaston	30.00	.29	.....	6.08	.....	6.37	.....	.....	.11
Union	150.00	.....	.....	1.55	40.00	41.55	.....	.....	.....
Vinal Haven	50.00	.24	.....	6.57	.....	6.81	.....	.....	.07
Warren	100.00	.....	.....	7.02	.....	7.02	.....	.....	.....
Washington	75.00	.....	.....	2.11	.....	2.11	.....	.....	2.29
Total	776.00	.78	4.60	51.33	40.06	96.77	12.47	29.27	3.92

[1] Includes 0.05 mile of brick.

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Lincoln:									
Alna	39.00			1.98		1.98			0.33
Boothbay	50.00			.80		.80			1.44
Boothbay Harbor	23.00	2.08		.92		3.00			.32
Bremen	30.00			1.34		1.34			.15
Bristol	130.00			1.52		1.52			.35
Damariscotta	25.00		0.13	2.77		2.90			
Dresden	35.00			2.03		2.03			.38
Edgecomb	30.00			1.02		1.02			
Jefferson	100.00			10.61		10.61			
Monhegan	1.75								
Newcastle	52.00			3.57		3.57			
Nobleboro	40.00			7.39		7.39			
Somerville	30.00			2.20		2.20			.13
Southport	20.00			1.06		1.06			1.51
Waldoboro	120.00	.41	.08	6.57		7.06			
Westport	30.00			.74		.74			
Whitefield	75.00			1.78		1.78			.44
Wiscasset	55.00			6.56		6.56			.11
Total	885.75	2.49	.21	52.86		55.56	6.26	29.06	5.16
Oxford:									
Albany	50.00			1.71		1.71			.16
Andover	50.00			2.47	10.00	12.47			
Andover (north surplus)	6.00			.34		.34			
Andover (west surplus)	1.00								
Bethel	125.00			5.34		5.34			
Brownfield	75.00			2.54		2.54			
Buckfield	100.00			1.79		1.79			.56
Byron	20.00			1.72	5.00	6.72			
C	2.00								
C surplus	1.00								
Canton	60.00			1.91		1.91			
Denmark	50.00			1.47		1.47			.44
Dixfield	102.00			2.12		2.12			
Fryeburg	103.00			11.78		11.78			.18
Gilead	14.00			.53		.53			.46
Grafton	8.00			1.68		1.68			
Greenwood	65.00			1.17		1.17			.20
Hanover	10.00			.51		.51			.14
Hartford	80.00			.51		.51			.14
Hebron	55.00			.31		.31			.12
Hiram	90.00			.75		.75			
Lincoln	7.50			1.49	3.00	4.49			
Lovell	65.00			2.14	30.00	32.14			.34
Magalloway	6.00			1.20		1.20			
Mason	8.00			.25		.25			.44
Mexico	35.00			1.55		1.55			
Milton	14.00			.39		.39			
Newry	20.00			1.55		1.55			.26
Norway	100.00			5.30		5.30			
Oxford	80.00			.77	1.58	1.35			1.32
Paris	150.00			3.38	125.00	128.38			
Peru	56.00			.81		.81			
Porter	63.00			.65		.65			.40
Riley	6.00								
Roxbury	20.00			1.43		1.43			
Rumford	120.00	8.13	.25	6.41		14.79			
Stow	21.00			2.31		2.31			.07
Stoneham	25.00			2.02		2.02			.45
Sumner	200.00			1.68		1.68			1.29
Sweden	50.00			1.81		1.81			.96
Upton	14.00			1.00		1.00			.05
Waterford	100.00			3.73		3.73			.90
Woodstock	75.00			2.88		2.88			.23
Total	2,302.50	8.13	.25	81.40	173.58	263.36	11.43	57.36	9.11

[1] Includes 0.58 mile of sand-clay.

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Penobscot:									
Alton	20.00			1.57	10.00	11.57			0.12
Argyle	12.00			.95		.95			
Bradford	60.00			2.34		2.34			.32
Bradley	12.00			2.00	8.00	10.00			
Burlington	22.00			1.06	11.00	12.06			
Carmel	60.00			8.81		8.81			.70
Carrol	25.00			1.69		1.69			.44
Charleston	62.00			1.51		1.51			.12
Chester	29.00			1.74	4.00	5.74			.28
Clifton	20.00			1.04	6.00	7.04			.11
Corinth	75.00			3.08		3.08			
Corinna	97.00			.92		.92			.81
Dexter	60.00	0.74		.56		1.30			.10
Dixmont	70.00			2.04		2.04			
Drew	10.00			1.19		1.19			.19
East Millinocket	8.00			2.27		2.27			
Eddington	31.00	2.04		.19		2.23			.44
Edinburg	6.50			1.20		1.20			2.19
Enfield	36.00			.83		.83			.06
Etna	40.00			4.71		4.71			.14
Exeter	100.00			.55		.55			1.38
Garland	50.00			.99		.99			.45
Glenburn	35.00			1.44	10.00	11.44			.20
Grand Falls	7.00			.08		.08			
Greenbush	40.00			2.50		2.50			.38
Greenfield	22.00			2.39		2.39			
Hampden	75.00			5.55	50.00	55.55			
Hermon	75.00			3.06		3.06			.52
Holden	50.00			2.88		2.88			
Howland	27.00			1.85		1.85			.93
Hudson	30.00			.82		.82			
Kenduskeag	30.00			1.90	16.00	17.90			
Kingman	14.00			1.55		1.55			
Lagrange	23.00			1.49		1.49			.36
Lakeville	8.00			.98		.98			.08
Lee	51.00			2.30		2.30			1.60
Levant	50.00			2.74	10.00	12.74			.19
Lincoln	75.00			2.54	72.32	74.86			.14
Lowell	15.00			.62		.62			.63
Mattamiscontis	6.00			.09		.09			
Mattawankeag	21.00			1.96	3.25	5.21			1.51
Mayfield	14.00			2.12		2.12			2.86
Medway	17.00			1.36		1.36			2.00
Milford	27.00			1.32		1.32			
Millinocket	8.00			.94		.94			.13
Mount Chase	20.00			1.08		1.08			
Newburg	36.00			4.40		4.40			.45
Newport	51.00		0.12	2.76		2.88			1.17
Orono	30.00			2.06	27.94	30.00			
Orrington	60.00			2.33	30.00	32.33			
Passadunkeag	17.00			1.75	8.00	9.75			
Patten	30.00	1.84		.65	10.00	12.49			
Plymouth	40.00			1.12		1.12			.64
Prentiss	40.00			1.86		1.86			.24
Sebois	3.00			.23		.23			1.23
Springfield	40.00			1.38		1.38			2.11
Stacyville	10.75	.54		.58		1.12			.09
Stetson	50.00			2.19	30.00	32.19			
Summit	9.00								
Veazie	7.00			.35		.35			
Webster	7.00			.61		.61			.25
Winn	35.00			.58		.58			2.42
Woodville	25.00			.59		.59			.71
No. 2, R. 6	6.00								
No. 1, R. 7	6.00								
No. 2, R. 7	1.00								
A, R. 7	7.00								
Total	2,156.25	5.16	.12	108.24	306.51	420.03	19.47	51.78	28.69

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Piscataquis:									
Abbot	50.00			1.53		1.53			2.87
Atkinson	40.00			.93		.93			.85
Barnard	10.00								
Blanchard	13.00			.87		.87			.05
Bowerbank	6.00			.81		.81			
Brownville	34.00			1.34		1.34			.19
Dover	75.00		0.42	7.14		7.56			.78
Elliotsville	6.00								
Foxcroft	55.00	1.09		.23		1.32			.31
Greenville	18.00			1.68	4.00	5.68			
Guilford	45.00			2.95	12.00	14.95			.41
Medford	20.00			.98		.98			1.61
Milo	60.00			2.28		2.28			.89
Monson	58.00			.94		.94			3.18
Orneville	55.00			.98		.98			.88
Parkman	100.00			2.59		2.59			.47
Sangerville	90.00			.44	3.00	3.44			.83
Sebec	45.00			.65		.65			1.30
Shirley	17.00			.49		.49			2.47
Wellington	46.00			.68		.68			1.85
Williamsburg	12.00			.42		.42			1.10
Williamantic	25.00			1.13		1.13			.31
Kingsbury	20.00			.13		.13			.16
Lakeview	1.00								
Lilly Bay	7.00								
Total	908.00	1.09	.42	29.19	19.00	49.70	5.47	18.30	20.51
Sagadahoc:									
Arrowsic	12.00			1.45		1.45			
Bath	30.00	1.65	.28		.30	2.23			
Bowdoin	74.00			2.70		2.70			
Bowdoinham	80.00			1.66		1.66			
Georgetown	47.00			.25		.25			.78
Perkins	5.00								
Phippsburg	58.00			1.95	10.00	11.95			
Richmond	70.00		.15	2.13		2.28			
Topsham	75.00	1.64	.10	2.52		4.26			
West Bath	27.00			1.10		1.10			
Woolwich	70.00			6.90	4.00	10.90			.63
Total	548.00	3.29	.53	20.66	14.30	38.78	7.07	16.94	1.41
Somerset:									
Anson	100.00			1.52		1.52			.54
Athens	100.00			1.77		1.77			.28
Bingham	60.00			2.43		2.43			
Bald Mountain	2.00			.76		.76			
Bigelow	6.00			.13		.13			.26
Brighton	50.00			.90		.90			.34
Cambridge	35.00			.54		.54			.51
Canaan	80.00			.49		.49			1.28
Caratunk	12.00			6.10		6.10			
Carrying Place	2.00			.16		.16			.17
Concord	35.00			1.02	15.00	16.02			
Cornville	75.00			.14		.14			.99
Dead River	8.00			1.16		1.16			
Dennistown	6.00			1.63		1.63			
Detroit	25.00			.26		.26			1.39
Embden	50.00			.60	20.00	20.60			.05
Fairfield	100.00		.05	7.52		7.57			
Flagstaff	10.00			.04		.04			.05
Harmony	50.00			1.14		1.14			.29
Hartland	50.00	.57		.19		.76			1.24
Highland	12.00			.68		.68			
Jackman	11.50			2.95		2.95			
Johnson Mountain	6.00			.06		.06			.04
Lexington	20.00			.90		.90			
Madison	100.00	.18	.31	.20		.69			1.33

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Somerset—Contd.									
Mayfield	10.00			1.06		1.06			
Mercer	42.00			1.40		1.40			0.11
Moose River	6.00			2.74		2.74			
Parlin Pond	6.00			.37		.37			.41
Saint Albans	70.00			1.79		1.79			.68
Sandy Bay	6.00			.66		.66			.17
Skowhegan	175.00	0.53		.63	[1] 41.68	42.84			.72
Moscow	37.00				8.00	8.00			.07
New Portland	80.00			2.65		2.65			.82
Norridgewock	100.00	.20		6.48		6.68			.35
Palmyra	76.00			1.38		1.38			.73
Pittsfield	75.00	.09		.65	[2] 50.14	50.88			2.38
Pleasant Ridge	13.00			.13		.13			
Ripley	30.00			.46		.46			1.06
Smithfield	32.00			1.72		1.72			.50
Solon	70.00			1.09		1.09			.85
Starks	80.00			.83		.83			.18
The Forks	9.00			.47		.47			
West Forks	8.00			.54		.54			
Total	1,930.50	1.57	0.36	58.34	134.82	195.09	10.10	29.15	17.79
Waldo:									
Belmont	29.00			.70		.70			1.87
Brooks	44.00			3.31		3.31			.41
Burnham	45.00			3.45		3.45			.14
Frankfort	35.00	.18		2.96		3.14			
Freedom	56.00			1.41	5.00	6.41			.81
Islesboro	50.00			1.73		1.73			
Jackson	45.00			2.26		2.26			.44
Knox	64.00			1.88		1.88			1.66
Liberty	45.00			1.06		1.06			1.60
Lincolnville	70.00			1.58		1.58			.19
Monroe	80.00			2.02		2.02			.41
Montville	90.00			.80		.80			1.06
Morrill	25.00			1.79		1.79			2.08
Northport	50.00			11.02		11.02			1.85
Palermo	60.00			1.17		1.17			.76
Prospect	40.00			2.75		2.74			
Searsmont	70.00			.21		.21			2.53
Searsport	50.00			3.52		3.52			
Stockton Springs	45.00			1.45		1.45			.65
Swanville	30.00			2.82	10.00	12.82			
Thorndike	50.00			2.59		2.59			1.22
Troy	56.00			.92		.92			.89
Unity	55.00			1.01		1.01			1.57
Waldo	40.00			2.09		2.09			.12
Winterport	70.00			4.94	17.00	21.94			.94
Total	1,288.00	.18		59.43	32.00	91.61	7.11	35.11	21.20
Washington:									
Addison	55.00			3.42		3.42			
Alexander	35.00			1.39		1.39			
Baileyville	45.00			2.53		2.53			
Baring	13.00			2.04	3.00	5.04			
Beddington	9.00			.90		.90			.26
Brockton	10.00			.89		.89			
Centerville	5.50			1.48	2.87	4.35			1.15
Charlotte	30.00			1.85		1.85			
Cherryfield	40.00			1.62		1.62			
Codyville	6.00								
Columbia	35.00			3.79	8.00	11.79			
Columbia Falls	25.00			1.92	4.00	5.92			
Cooper	35.00			1.19		1.19			.23
Crawford	14.00			1.15		1.15			.34
Cutler	35.00			.22		.22			
Danforth	20.00			2.56	8.00	10.56			
Deblois	6.00			.38		.38			

[1] Includes 1.68 miles of sand-clay.

[2] Includes 0.14 mile of concrete.

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Washington—Con.									
Dennysville	12.00			1.87		1.87			
East Machias	36.00			1.97		1.97			
Edmunds	24.00			.97		.97			
Forest City	5.00			1.07		1.07			
Grand Lakes Stream	6.00			.38		.38			0.35
Harrington	40.00			1.05	3.00	4.05			
Jonesboro	32.00			2.02	20.00	22.02			
Jonesport	20.00			1.52	5.00	6.52			
Kossuth	6.00								
Lambert Lake	6.00								
Lubec	45.00			4.76	35.00	39.76			
Machias	30.00			3.30	15.00	18.30			
Machiasport	30.00			1.90	14.00	15.90			
Marion	18.00			.54	4.00	4.54			
Marshfield	15.00			1.12	10.00	11.12			
Meddybemps	10.00			1.42		1.42			.97
Milbridge	70.00			2.55		2.55			
Northfield	6.00			2.36		2.36			
Pembroke	50.00			1.15		1.15			.56
Perry	60.00			3.04		3.04			
Princeton	24.00	0.12		2.42		2.54			.16
Robbinston	27.00			3.56	7.00	10.56			
Roque Bluffs	12.00			2.01	6.00	8.01			
Steuben	65.00			1.71		1.71			
Talmage	8.00			.65		.65			.13
Topsfield	20.00			2.60		2.60			
Trescott	28.00			1.16	25.00	26.16			
Vanceboro	12.00			1.99		1.99			2.49
Waite	9.00			.74		.74			
Wesley	13.00			1.40		1.40			
Whiting	30.00			10.86		10.86			
Whitneyville	12.00			.91	10.00	10.91			
No. 14	12.00			.12		.12			
No. 21	1.00								
No. 18, eastern division	8.00			.04		.04			
No. 19, eastern division	7.00			.14		.14			
No. 24, middle division	3.00			.14		.14			
No. 29, middle division	6.00			.09		.09			
No. 30, middle division	3.00			.16		.16			
No. 31, middle division	6.00			.48		.48			
No. 26, eastern division	1.00								
No. 10, R. 3	6.00								
No. 8, R. 4	3.00								
No. 8, R. 3	3.00								
Total	1,258.50	.12		91.50	179.87	271.49	21.57	25.49	6.64
York:									
Acton	60.00			1.02		1.02			
Alfred	70.00			1.44	20.00	21.44			
Berwick	125.00	1.56		2.11		3.67			
Buxton	125.00			1.47		1.47			
Cornish	52.00			1.60		1.60			
Dayton	35.00			8.69		8.69			
Eliot	40.00			2.91	20.00	22.91			
Hollis	100.00			1.41	30.00	31.41			
Kennebunkport	130.00		1.00	3.41	[1] 1.33	5.74			
Kennebunk	30.00	.13	.31	3.32		3.76			
Kittery	60.00	1.96	2.77	.97		5.70			.13
Lebanon	125.00			1.32		1.32			.16

[1] Concrete.

MAINE—Continued.

TABLE 16.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Other hard surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
York—Continued.									
Limerick	60.00	.....	.....	1.49	.....	1.49	.....	.....	.....
Limington	90.00	.....	.....	1.12	.....	1.12	.....	.....	.....
Lyman	80.00	.....	.....	1.36	50.00	51.36	.....	.....	.....
Newfield	55.00	.....	.....	1.09	.....	1.09	.....	.....	0.19
North Berwick	100.00	0.88	.....	.49	.....	1.37	.....	.....	.....
Old Orchard	25.00	.....	.....	2.28	15.00	17.28	.....	.....	.....
Parsonsfield	100.00	.....	.....	1.72	.....	1.72	.....	.....	.13
Sanford	135.00	.81	.....	2.83	.....	3.64	.....	.....	.....
Shapleigh	75.00	.....	.....	1.68	.....	1.68	.....	.....	.41
South Berwick	140.00	.92	.....	10.00	.....	10.92	.....	.....	.....
Waterboro	112.00	.....	.....	1.71	.....	1.71	.....	.....	.....
Wells	120.00	.....	2.08	2.06	[1] 15.53	19.67	.....	.....	.....
York	150.00	.....	6.90	3.58	[2] 3.51	13.99	.....	.....	.....
Total	2,194.00	6.26	13.06	61.08	155.37	235.77	10.74	32.64	1.02
Grand total	23,536.91	55.36	43.93	1,139.36	1,523.71	2,762.36	11.74	170.27	174.68

[1] Includes 5.53 miles of concrete. [2] Concrete.

NEW HAMPSHIRE.

TABLE 17.—*Miles of public roads outside of incorporated cities, 1914.*

County and town.	Total mileage of all roads.	Surfaced roads.								Graded and drained earth.
		Macadam.		Gravel.	Sand-clay.	Other hard-surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.							
Belknap:										
Alton	100.00	.....	.....	.....	.....	.....	.....	.....	.....	1.63
Barnstead	110.00	.....	.....	1.37	.....	.....	.....	.....	.....	108.63
Belmont	93.00	.....	0.50	7.63	.....	.....	.....	.....	.....	.....
Center Harbor	27	.....	1.49	2.25	.....	.....	.....	.....	.....	.....
Gilford	75	.....	.....	1.30	.....	.....	.....	.....	.....	5.00
Gilmanton	92	.....	.....	.....	2.40	.....	.....	.....	.....	.....
Laconia City	3.67	.....	1.67	2.00	.....	.....	.....	.....	.....	.....
Meredith	100	.....	.....	.....	.....	[1] 7.00	.....	.....	.....	83.00
New Hampton	100	.....	.....	3.30	.....	.....	.....	.....	.....	.....
Sanbornton	100	.....	.....	5.00	10.00	.....	.....	.....	.....	50.00
Tilton	27	3.00	10.00	2.00	.....	[2] 1.00	.....	.....	.....	5.00
Total	827.67	3.00	13.66	24.85	12.40	8.00	61.91	7.48	−28.09	.....
Carroll:										
Albany	37.00	.....	.....	5.40	.....	.....	.....	.....	.....	31.60
Bartlett	40.00	.....	.....	10.00	.....	.....	.....	.....	.....	20.00
Brookfield	26.00	.....	.....	.50	.....	.....	.....	.....	.....	15.00
Chatham	21.00	.....	.....	6.00	.....	.....	.....	.....	.....	9.00
Conway	120.00	.....	.....	7.80	.....	.....	.....	.....	.....	.....
Eaton	75.00	.....	.....	2.50	2.50	.....	.....	.....	.....	.....
Effingham	51.00	.....	.....	1.62	.....	.....	.....	.....	.....	.....
Freedom	44.50	.....	.....	3.00	.....	.....	.....	.....	.....	25.00
Jackson	38.00	.....	.....	8.83	.....	.....	.....	.....	.....	.....
Madison	50.00	.....	.....	3.20	.....	.....	.....	.....	.....	.....
Moultonboro	62.00	.....	.....	1.20	2.00	.....	.....	.....	.....	.....
Ossipee	99.50	1.00	.....	17.00	3.50	.....	.....	.....	.....	25.00

[1] Includes 0.20 mile of concrete. [2] Concrete.

NEW HAMPSHIRE—Continued.

TABLE 17.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage of all roads.	Surfaced roads.								Graded and drained earth.
		Macadam.		Gravel.	Sand-clay.	Other hard-surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.							
Carroll—Continued.										
Sandwich	95.00			5.90						
Tamworth	100.00				11.00					
Tuftonboro	100.00			7.20						2.80
Wakefield	98.00		6.00		7.00					
Wolfeboro	110.00	1.00	3.00	2.00		4.00				50.00
Total	1,167.00	2.00	9.00	85.15	26.00	4.00	126.15	10.80	−21.45	
Cheshire:										
Alstead	70.00			4.50						65.50
Chesterfield	105.00			5.00						
Dublin	80.00	1.00		5.75						68.25
Fitzwilliam	80.00	1.30			3.00					50.00
Gilsum	33.50			8.25						
Harrisville	60.00			4.32	2.00					5.00
Hinsdale	65.00		7.00	5.00						
Jaffrey	87.53	.53		1.00	1.00					40.00
Marlboro	57.00	4.00	.25	1.10						
Marlow	45.00			9.00						
Nelson	50.00			2.00						48.00
Richmond	81.00			6.00						
Rindge	100.00			10.00						
Roxbury	22.00			8.00						1.00
Stoddard	47.00			4.00						
Sullivan	26.00			2.00						10.00
Surry	30.00			4.00						26.00
Swanzey	74.00		2.50	3.50						
Troy	26.00		4.00	.50						15.00
Walpole	106.00		.50	4.50		90.00				11.00
Westmoreland	80.00			4.10						15.90
Winchester	160.00		6.00	5.00						
Total	1,485.03	6.83	20.25	97.52	6.00	90.00	220.60	14.85	80.60	
Coos:										
Berlin	21.00				3.50					9.50
Carroll	39.25			8.39						24.36
Clarksville	33.00			15.00	5.00					10.00
Colebrook	105.00			13.00		[1] 1.12				20.00
Columbia	46.00			6.00						
Dalton	68.00			1.43		[2] 1.00				65.57
Dixs grant										
Dummer	26.25			6.70						19.55
Errol	25.00			14.00						
Gorham	28.00	3.00		10.00						15.00
Jefferson	50.00			9.40						40.60
Lancaster	100.00	3.50				[3] 10.50				26.00
Milan	70.00			6.00						64.00
Northumberland	30.00			11.70						
Pittsburg	75.00			5.00						70.00
Randolph	12.00			4.00						2.00
Shelburne	14.00			4.00						10.00
Stark	25.00			5.25						19.75
Stewartstown	65.00			10.00						45.00
Stratford	24.00			10.50						
Wentworths location	4.00			2.00						2.00
Whitefield	58.00		1.00	9.00						38.00
Total	918.50	6.50	1.00	151.37	8.50	11.62	178.99	19.48	78.99	
Grafton:										
Alexandria	60.00			3.60						
Ashland	31.50			4.66		[1] .50				
Bath	99.00			8.61						50.00
Benton	27.00			2.00						19.00
Bethlehem	82.25		2.25	11.00						10.00

[1] Concrete. [2] Clay and gravel. [3] State road.

NEW HAMPSHIRE—Continued.

TABLE 17.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage of all roads.	Surfaced roads.								Graded and drained earth.
		Macadam.		Gravel.	Sand-clay.	Other hard-surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.							
Grafton—Contd.										
Bridgewater	55.00	.....	.....	2.78	.....	.....	.....	.....	.....	10.00
Bristol	41.00	.....	3.33	2.00	.....	.....	.....	.....	.....	.....
Campton	62.00	.....	.....	8.60	.....	.....	.....	.....	.....	.....
Canaan	103.00	.....	.....	4.22	.....	.....	.....	.....	.....	75.00
Dorchester	47.00	.....	.....	.....	.....	.....	.....	.....	.....	37.00
Easton	23.00	.....	.....	5.00	.....	3.00	.....	.....	.....	6.00
Ellsworth	15.00	.....	.....	.....	.....	.....	.....	.....	.....	1.00
Enfield	86.00	.....	.....	7.00	.....	.....	.....	.....	.....	.....
Franconia	30.00	.....	.....	12.00	5.00	.....	.....	.....	.....	10.00
Grafton	80.00	.....	.....	1.50	.....	.....	.....	.....	.....	25.00
Groton	60.00	.....	.....	1.00	.....	.....	.....	.....	.....	59.00
Hanover	100.00	3.00	.....	5.00	.....	.....	.....	.....	.....	.....
Haverhill	100.00	.....	1.61	12.50	.....	.....	.....	.....	.....	10.00
Hebron	25.00	.....	.....	4.00	.....	.....	.....	.....	.....	.....
Holderness	49.00	.....	2.95	2.50	.....	.....	.....	.....	.....	35.00
Landaff	45.00	.....	.....	3.20	.....	.....	.....	.....	.....	.....
Lebanon	86.00	.25	3.00	11.50	.....	[1] 1.25	.....	.....	.....	40.00
Lincoln	11.00	.....	.....	.....	.....	.....	.....	.....	.....	8.00
Lisbon	80.00	1.00	.....	12.00	.....	.....	.....	.....	.....	.....
Littleton	95.00	2.50	.....	6.50	.....	[1] 1.50	.....	.....	.....	60.00
Lyman	60.00	.....	.....	.....	.50	.50	.....	.....	.....	10.00
Lyme	90.00	.....	1.00	8.31	.....	1.00	.....	.....	.....	.....
Monroe	32.00	.....	.....	6.00	.50	.....	.....	.....	.....	25.50
Orange	25.00	.....	.....	2.50	2.50	.....	.....	.....	.....	.....
Orford	58.00	.....	.50	7.30	.....	.....	.....	.....	.....	.....
Piermont	40.00	.....	.....	7.00	.....	.....	.....	.....	.....	.....
Plymouth	60.00	.....	.....	10.00	.....	.....	.....	.....	.....	.....
Rumney	30.00	.....	.....	4.00	.....	.....	.....	.....	.....	10.00
Thornton	46.00	.....	.....	8.00	.....	.....	.....	.....	.....	4.00
Warren	60.00	.....	.....	7.00	.....	.....	.....	.....	.....	40.00
Waterville	7.00	.....	.....	.....	.....	.....	.....	.....	.....	6.00
Wentworth	36.00	.....	.....	4.35	.....	.....	.....	.....	.....	.....
Woodstock	27.00	.....	.....	12.00	.....	.....	.....	.....	.....	15.00
Total	2,063.75	6.75	14.64	207.63	8.50	5.75	243.27	11.78	95.02	.....
Hillsborough:										
Amherst	95.00	.....	.....	4.42	25.00	.....	.....	.....	.....	50.00
Antrim	100.00	.20	.....	1.59	5.00	.....	.....	.....	.....	70.00
Bedford	75.00	.61	3.59	2.17	.....	.....	.....	.....	.....	68.63
Bennington	20.00	.....	.....	3.00	.....	.....	.....	.....	.....	.....
Brookline	40.00	.....	.....	2.30	.....	.....	.....	.....	.....	.....
Deering	96.00	.....	.....	1.60	.....	.....	.....	.....	.....	.....
Francestown	65.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Goffstown	80.00	.....	.....	6.90	.....	.....	.....	.....	.....	.....
Greenfield	56.00	.....	.....	1.00	.....	.....	.....	.....	.....	55.00
Greenville	16.00	.....	.75	3.90	.....	.....	.....	.....	.....	11.35
Hancock	75.00	.....	.....	.....	.....	.....	.....	.....	.....	2.00
Hillsboro	91.00	1.50	.50	3.00	.....	.....	.....	.....	.....	30.00
Hollis	75.00	.....	.....	2.15	.....	.....	.....	.....	.....	.....
Hudson	66.00	.....	4.00	2.75	.....	.....	.....	.....	.....	.....
Litchfield	22.00	.....	.....	2.30	.....	.....	.....	.....	.....	8.00
Lyndeborough	70.00	.....	.....	2.50	.....	.....	.....	.....	.....	.....
Mason	70.00	.....	.....	2.00	.....	.....	.....	.....	.....	.....
Merrimack	110.00	.....	8.00	.....	.....	[2] 3.00	.....	.....	.....	84.00
Milford	108.00	1.00	7.00	.....	.....	.....	.....	.....	.....	.....
Mont Vernon	60.00	.....	.....	1.00	.....	.....	.....	.....	.....	16.00
New Boston	125.00	.....	.....	1.00	.....	.....	.....	.....	.....	.....
New Ipswich	80.00	.....	.....	4.50	.....	.....	.....	.....	.....	50.00
Pelham	50.00	.....	.....	10.00	.....	.....	.....	.....	.....	35.00
Peterboro	75.00	.80	2.00	2.00	.....	.....	.....	.....	.....	.20
Sharon	48.00	.....	.....	5.75	.....	.....	.....	.....	.....	.....
Temple	51.00	.....	.....	2.75	.....	.....	.....	.....	.....	.....
Weare	300.00	4.00	.....	2.50	.....	.....	.....	.....	.....	25.00
Wilton	90.00	.....	1.00	10.00	.....	.....	.....	.....	.....	.....
Windsor	11.00	.....	.....	1.00	.....	.....	.....	.....	.....	.....
Total	2,220.00	8.11	26.84	82.08	30.00	3.00	150.03	6.75	–140.97	.....

[1] Concrete.

[2] Oil and gravel.

NEW HAMPSHIRE—Continued.

TABLE 17.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage of all roads.	Surfaced roads.								Graded and drained earth.
		Macadam.		Gravel.	Sand-clay.	Other hard-surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.							
Merrimack:										
Allenstown	36.00	0.56	0.76	1.06						33.62
Andover	80.00			.76	50.00					20.00
Boscawen	42.00	5.77		2.07						25.00
Bow	60.00	1.50		5.00						
Bradford	90.00		.92	3.17						
Canterbury	80.00			1.61	1.00	[1] 5.00				40.00
Chichester	50.50			3.75						.50
Danbury	80.00			1.25						
Dunbarton	70.00			1.00		2.83				56.17
Epson	60.05		.05	4.00						6.00
Henniker	82.00			7.00						75.00
Hill	48.00			3.49						
Hooksett	90.50	.75	9.00	.75	10.00					10.00
Hopkinton	50.00		5.00	1.00						8.00
Loudon	150.00			5.00						125.00
Newberry	115.00			1.75						
New London	75.00			4.75						70.25
Northfield	80.00	3.50		4.50	2.00					
Pembroke	65.00	3.52	3.07							2.00
Pittsfield	70.00		2.00	2.00						1.00
Salisbury	70.00				.50	[2] 2.00				47.50
Sutton	93.00			2.00						3.00
Warner	120.00		.50	5.20						.50
Webster	46.00			6.00						10.00
Wilmot	85.00			4.00						
Total	1,908.05	15.60	21.30	71.11	63.50	9.83	181.34	9.50	31.59	
Rockingham:										
Atkinson	20.00	1.16		1.75						
Auburn	80.00			3.23						
Brentwood	35.00			3.40						5.00
Candia	65.00			5.38						
Chester	100.00	.67		1.41						
Danville	22.25			2.40						
Deerfield	106.00			2.40						53.60
Derry	135.00		4.00	4.00						127.00
East Kingston	28.00		1.25							10.00
Epping	38.25		1.25	5.00	2.00	[3] 2.00				3.00
Exeter	29.00			24.00						
Fremont	28.00			2.40						25.60
Greenland	16.00			5.10						2.90
Hampstead	26.00	.75		10.00						
Hampton	40.00		8.00	30.00						
Hampton Falls	30.00			2.50						
Kensington	27.00			5.00						18.00
Kingston	48.00			3.50						
Londonderry	126.00			3.60	4.00					
Newcastle	2.50		1.17	1.33						
Newfields	14.00		2.40							11.60
Newington	20.10			2.70						
Newmarket	28.50	2.00				[3] .50				26.00
Newton	26.00			2.70						
North Hampton	33.00		2.00	22.00						9.00
Northwood	40.00			2.72		[4] .20				20.00
Nottingham	100.00			2.30						
Plaistow	42.00			5.04						15.00
Raymond	50.00			6.10						35.90
Rye	28.50		2.00	4.00						22.50
Salem	75.00		12.00							
Sandown	33.00			5.00	1.00					27.00
Seabrook	33.00			3.00						30.00
South Hampton	22.00			1.50						
Stratham	30.00			5.00						20.00
Windham	100.00		2.00	4.00	70.00					5.00
Total	1,677.10	4.58	36.07	182.46	77.00	2.70	302.81	18.05	77.25	

[1] Hardpan. [2] Hardpan surface. [3] Concrete. [4] Gravel, bituminous.

NEW HAMPSHIRE—Continued.

TABLE 17.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage of all roads.	Surfaced roads.								Graded and drained earth.
		Macadam.		Gravel.	Sand-clay.	Other hard-surfaced roads.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.							
Strafford:										
Barrington	100.00	.....	.....	2.53	.....	.....	.....	.....	.....	50.00
Durham	54.00	.....	.....	5.00	15.00	20.00	.....	.....	.....	4.00
Farmington	80.00	2.50	1.00	.....	.....	[1] 1.00	.....	.....	.....	5.00
Lee	50.00	.....	.....	1.75	2.00	.....	.....	.....	.....	10.00
Madbury	26.50	.....	.....	6.00	5.50	.....	.....	.....	.....	8.00
Middleton	16.00	.....	.....	1.50	.....	.....	.....	.....	.....	8.00
Milton	50.00	3.00	9.00	.....	.....	.....	.....	.....	.....	.....
New Durham	90.00	.....	.....	2.20	.....	.....	.....	.....	.....	47.80
Rollinsford	40.00	2.00	.....	3.00	1.50	.....	.....	.....	.....	31.00
Strafford	85.00	.....	.....	3.50	.....	.....	.....	.....	.....	.....
Total	591.50	7.50	10.00	25.48	24.00	21.00	87.98	14.87	21.66	.....
Sullivan:										
Acworth	140.00	.....	.....	8.40	.....	.....	.....	.....	.....	.....
Charleston	80.00	.....	.....	6.00	.....	.....	.....	.....	.....	66.00
Claremont	120.00	1.00	.....	8.60	8.00	[1] 1.00	.....	.....	.....	60.00
Cornish	100.00	.....	.....	7.33	.....	.....	.....	.....	.....	.....
Croydon	50.00	.....	.....	3.00	.....	.....	.....	.....	.....	42.00
Goshen	50.00	.....	.....	4.32	.....	.....	.....	.....	.....	.....
Grantham	50.00	.....	.....	7.40	.....	.....	.....	.....	.....	20.00
Langdon	32.00	.....	.....	3.50	.....	.....	.....	.....	.....	.....
Lempster	60.00	.....	.....	10.00	.....	.....	.....	.....	.....	.....
Newport	98.00	.....	1.50	10.00	.....	[2] 2.00	.....	.....	.....	.....
Plainfield	120.00	.....	.....	5.00	.....	.....	.....	.....	.....	50.00
Springfield	90.50	.....	.....	.50	.....	.....	.....	.....	.....	75.00
Sunapee	60.00	.....	.....	.....	7.00	.....	.....	.....	.....	20.00
Unity	36.00	.....	.....	6.00	.....	.....	.....	.....	.....	.....
Washington	75.00	.....	.....	6.00	.....	.....	.....	.....	.....	29.00
Total	1,161.50	1.00	1.50	86.05	15.00	3.00	106.55	9.17	16.55	.....
Grand total	14,020.10	61.87	154.26	1,013.70	270.90	158.90	1,659.63	11.83	211.15	3,868.76

[1] Concrete. [2] Hardpan surface.

VERMONT.

TABLE 18.—*Miles of public roads outside of incorporated cities, 1914.*

County and town.	Total mileage, all roads.	Surfaced roads.				
		Macadam.	Gravel.	Gravel telford.	Total surfaced.	Percentage of total surfaced.
Addison:						
Addison	61.00	.....	10.81	2.47	13.28	.....
Bridport	79.00	.....	3.13	4.13	7.26	.....
Bristol	44.00	.....	5.33	.58	5.91	.....
Cornwall	54.00	.....	3.24	3.63	6.87	.....
Ferrisburg	88.00	.....	9.62	1.49	11.11	.....
Goshen	22.00	.....	1.60	.05	1.65	.....
Granville	48.00	.....	5.56	.60	6.16	.....
Hancock	22.00	.....	2.40	.35	2.75	.....
Leicester	32.00	.....	2.22	1.59	3.81	.....
Lincoln	62.00	.....	3.79	.28	4.07	.....
Middlebury	58.36	0.36	2.15	2.17	4.68	.....
Monkton	62.00	.....	1.54	3.52	5.06	.....
New Haven	67.00	.....	10.43	1.55	11.98	.....
Orwell	84.00	.....	7.50	1.07	8.57	.....
Panton	28.00	.....	5.97	.51	6.48	.....
Ripton	37.00	.....	2.01	.18	2.19	.....
Salisbury	42.00	.....	5.01	1.49	6.50	.....

VERMONT—Continued.

TABLE 18.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.				
		Macadam.	Gravel.	Gravel telford.	Total surfaced.	Percentage of total surfaced.
Addison—Continued.						
Shoreham	90.00	.....	2.75	2.88	5.63	.....
Starksboro	66.00	.....	2.39	1.22	3.61	.....
Waltham	14.00	.....	3.98	.76	4.74	.....
Weybridge	35.00	.....	2.85	1.64	4.49	.....
Whiting	22.00	.....	1.53	1.05	2.58	.....
Total	1,117.36	0.36	95.81	33.21	129.38	11.57
Bennington:						
Arlington	43.00	.....	2.91	1.29	4.20	.....
Bennington	77.00	.....	2.79	3.06	5.85	.....
Dorset	62.00	.....	6.40	.59	6.99	.....
Glastenbury	3.00	.....	2.41	.....	2.41	.....
Landgrove	19.00	.....	1.46	.68	2.14	.....
Peru	32.00	.....	8.65	.22	8.87	.....
Pownal	77.00	.....	3.46	1.90	5.36	.....
Readsboro	52.00	.....	3.65	.93	4.58	.....
Rupert	50.00	.....	3.09	1.90	4.99	.....
Sandgate	41.00	.....	1.49	1.00	2.49	.....
Searsburg	16.00	.....	.98	.11	1.09	.....
Shaftsbury	97.00	.....	3.87	1.17	5.04	.....
Stamford	37.00	.....	3.58	.74	4.32	.....
Sunderland	27.00	.....	2.16	.29	2.45	.....
Winhall	38.00	.....	4.45	.11	4.56	.....
Woodford	15.00	.....	3.44	.41	3.85	.....
Total	686.00	.....	54.79	14.40	69.19	10.08
Caledonia:						
Barnet	109.00	.....	6.00	.75	6.75	.....
Burke	76.00	.....	7.60	.60	8.20	.....
Danville	135.00	.....	5.51	.72	6.23	.....
Groton	35.00	.....	3.86	.44	4.30	.....
Hardwick	79.00	.....	6.57	1.44	8.01	.....
Kirby	32.00	.....	3.09	.24	3.33	.....
Lyndon	87.00	.....	9.18	.15	9.33	.....
Newark	41.00	.....	5.29	.84	6.13	.....
Peacham	73.00	.....	3.32	1.51	4.83	.....
Ryegate	73.20	.....	3.57	1.85	5.42	.....
Sheffield	48.00	.....	3.10	.23	3.33	.....
Stannard	18.00	.....	.73	.26	.99	.....
Sutton	73.00	.....	6.85	1.21	8.06	.....
Walden	66.00	.....	3.98	.10	4.08	.....
Waterford	62.00	.....	4.99	.05	5.04	.....
Wheelock	55.00	.....	5.06	.50	5.56	.....
Total	1,062.20	.....	78.70	10.89	89.59	8.43
Chittenden:						
Bolton	29.00	.....	6.72	.28	7.00	.....
Charlotte	79.00	.....	2.38	1.02	3.40	.....
Colchester	64.00	.....	7.48	1.94	9.42	.....
Essex	59.00	.....	5.47	2.24	7.71	.....
Hinesburg	63.00	.....	4.82	2.49	7.31	.....
Huntington	45.00	.....	6.73	.56	7.29	.....
Jericho	64.00	.....	7.61	.30	7.91	.....
Milton	88.00	.....	10.40	2.12	12.52	.....
Richmond	55.00	.....	6.53	1.12	7.65	.....
St. George	6.00	.....	.46	.25	.71	.....
Shelburne	40.00	.....	1.34	1.14	2.48	.....
South Burlington	30.00	.....	.37	3.91	4.28	.....
Underhill	68.00	.....	7.35	.41	7.76	.....
Westford	59.00	.....	2.62	1.63	4.25	.....
Williston	57.00	.....	3.22	1.24	4.46	.....
Total	806.00	.....	73.50	20.65	94.15	11.68
Essex:						
Bloomfield	32.00	.....	5.02	1.39	6.41	.....
Brighton	48.00	.....	4.69	.40	5.09	.....
Brunswick	13.00	.....	3.92	.64	4.56	.....
Canaan	48.00	.....	3.34	3.04	6.38	.....
Concord	81.00	.....	5.71	2.56	8.27	.....

VERMONT—Continued.

TABLE 18.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.				
		Macadam.	Gravel.	Gravel telford.	Total surfaced.	Percentage of total surfaced.
Essex—Continued.						
East Haven	10.00	.....	0.48	0.73	1.21	.....
Granby	13.00	.....	1.01	.63	1.64	.....
Guildhall	30.00	.....	2.34	1.35	3.69	.....
Lemington	17.00	.....	3.72	.31	4.03	.....
Lunenburg	63.00	.....	2.48	4.77	7.25	.....
Maidstone	18.00	.....	2.35	.21	2.56	.....
Norton	19.00	.....	3.56	1.77	5.33	.....
Victory	30.00	.....	1.39	.34	1.73	.....
Total	422.00	.....	40.01	18.14	58.15	13.77
Franklin:						
Bakersfield	66.00	.....	5.00	1.51	6.51	.....
Berkshire	68.00	.....	1.37	4.77	6.14	.....
Enosburg	77.00	.....	1.06	4.02	5.08	.....
Fairfax	79.00	.....	2.89	2.64	5.53	.....
Fairfield	118.00	.....	1.50	5.59	7.09	.....
Fletcher	54.00	.....	2.62	2.72	5.34	.....
Franklin	61.00	.....	2.20	2.33	4.53	.....
Georgia	74.00	.....	4.39	3.58	7.97	.....
Highgate	95.00	.....	3.52	2.88	6.40	.....
Montgomery	69.00	.....	3.09	2.31	5.40	.....
Richford	53.00	.....	4.77	.36	5.13	.....
St. Albans	63.00	.....	3.51	3.73	7.24	.....
Sheldon	63.00	.....	8.67	3.05	11.72	.....
Swanton	79.00	.....	6.44	7.32	13.76	.....
Total	1,019.00	.....	51.03	46.81	97.84	9.60
Grand Isle:						
Alburg	61.00	.....	3.25	.80	4.05	.....
Grand Isle	42.00	.....	4.89	.65	5.54	.....
Isle La Motte	19.00	.....	2.87	2.89	5.76	.....
North Hero	25.00	.....	6.68	.07	6.75	.....
South Hero	27.00	.....	3.33	1.05	4.38	.....
Total	174.00	.....	21.02	5.46	26.48	15.21
Lamoille:						
Belvidere	26.00	.....	5.87	.....	5.87	.....
Cambridge	86.00	.....	8.08	.47	8.55	.....
Eden	55.00	.....	2.90	2.90	5.80	.....
Elmore	61.00	.....	.42	1.68	2.10	.....
Hyde Park	79.00	.....	3.79	3.31	7.10	.....
Johnson	71.00	.....	6.28	.69	6.97	.....
Morristown	94.00	.....	8.54	.38	8.92	.....
Stowe	90.00	.....	6.43	.24	6.67	.....
Waterville	25.00	.....	1.86	.53	2.39	.....
Wolcott	68.00	.....	3.90	1.38	5.28	.....
Total	655.00	.....	48.07	11.58	59.65	9.10
Orange:						
Bradford	68.00	.....	7.32	.....	7.32	.....
Braintree	75.00	.....	5.61	.81	6.42	.....
Brookfield	92.00	.....	7.07	2.85	9.92	.....
Chelsea	81.00	.....	6.07	.14	6.21	.....
Corinth	105.00	.....	8.84	.05	8.89	.....
Fairlee	33.00	.....	4.90	.07	4.97	.....
Newbury	109.00	.....	6.09	1.62	7.71	.....
Orange	61.00	.....	2.98	.77	3.75	.....
Randolph	109.00	.....	6.83	2.53	9.36	.....
Strafford	80.00	.....	15.97	.40	16.37	.....
Thetford	98.00	.....	12.26	.26	12.52	.....
Topsham	98.00	.....	4.89	1.77	6.66	.....
Tunbridge	100.00	.....	9.34	.24	9.58	.....
Vershire	68.00	.....	3.91	1.00	4.91	.....
Washington	90.10	.....	8.86	.36	9.22	.....
West Fairlee	41.00	.....	4.91	.....	4.91	.....
Williamstown	100.00	.....	6.58	2.18	8.76	.....
Total	1,408.10	.....	122.43	15.05	137.48	9.76

VERMONT—Continued.

TABLE 18.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.				
		Macadam.	Gravel.	Gravel telford.	Total surfaced.	Percentage of total surfaced.
Orleans:						
Albany	74.00	.....	5.51	0.75	6.26	.....
Barton Town	72.00	.....	7.36	.13	7.49	.....
Brownington	53.00	.....	4.18	.82	5.00	.....
Charleston	70.00	.....	5.39	1.40	6.79	.....
Coventry	58.00	.....	3.73	.19	3.92	.....
Craftsbury	83.00	.....	5.56	.60	6.16	.....
Derbytown	96.00	.....	7.75	.19	7.94	.....
Glover	73.00	.....	5.69	.34	6.03	.....
Greensboro	77.00	.....	6.68	1.25	7.93	.....
Holland	56.00	.....	1.29	.45	1.74	.....
Irasburg	62.00	.....	4.99	.66	5.65	.....
Jay	38.00	.....	5.90	.....	5.90	.....
Lowell	80.00	.....	7.38	.....	7.38	.....
Morgan	38.00	.....	1.98	.35	2.33	.....
Newport	68.00	.....	5.49	.51	6.00	.....
Troy	59.00	.....	5.34	.12	5.46	.....
Westfield	35.00	.....	2.11	.10	2.21	.....
Westmore	59.00	.....	7.36	.20	7.56	.....
Total	1,151.00	.....	93.69	8.06	101.75	8.84
Rutland:						
Benson	61.00	.....	12.42	.23	12.65	.....
Brandon	74.00	.....	3.73	4.59	8.32	.....
Castleton	66.00	.....	3.82	2.71	6.53	.....
Chittenden	40.00	.....	1.61	1.23	2.84	.....
Clarendon	56.00	.....	5.34	.93	6.27	.....
Danby	100.00	.....	4.82	1.33	6.15	.....
Fair Haven	23.00	.....	2.78	3.06	5.84	.....
Hubbarton	38.00	.....	2.78	1.05	3.83	.....
Ira	21.00	.....	.53	1.07	1.60	.....
Mendon	32.00	.....	4.08	.47	4.55	.....
Middletown Springs	37.00	.....	2.76	.65	3.41	.....
Mount Holly	96.00	.....	7.33	1.87	9.20	.....
Mount Tabor	12.00	.....	1.97	.16	2.13	.....
Pawlet	59.00	.....	4.77	1.71	6.48	.....
Pittsfield	21.00	.....	1.51	.97	2.48	.....
Pittsford	75.00	0.29	1.61	2.01	3.91	.....
Poultney	78.00	.....	9.63	.95	10.58	.....
Proctor	15.00	.09	2.23	1.23	3.55	.....
Rutland	33.00	.....	4.10	2.24	6.34	.....
Sherburne	33.00	.....	5.39	.93	6.32	.....
Shrewsbury	76.00	.....	1.77	1.61	3.38	.....
Sudbury	37.00	.....	3.04	.99	4.03	.....
Tinmouth	44.00	.....	2.56	1.51	4.07	.....
Wallingford	77.00	.....	9.20	1.62	10.82	.....
Wells	44.00	.....	4.99	1.91	6.90	.....
West Haven	35.00	.....	8.07	1.15	9.22	.....
West Rutland	36.00	.....	1.37	.56	1.93	.....
Total	1,319.00	.38	114.21	38.74	153.33	11.62
Washington:						
Barre	82.00	.....	4.15	1.96	6.11	.....
Berlin	74.00	.....	5.54	2.44	7.98	.....
Cabot	76.00	.....	3.89	2.93	6.82	.....
Calais	99.00	.....	4.34	1.23	5.57	.....
Duxbury	41.00	.....	5.73	.73	6.46	.....
East Montpelier	77.00	.23	2.73	2.97	5.93	.....
Fayston	40.00	.....	3.18	.14	3.32	.....
Marshfield	74.00	.....	1.88	1.90	3.78	.....
Middlesex	74.00	.....	6.05	1.09	7.14	.....
Moretown	63.00	.....	6.68	1.13	7.81	.....
Northfield	85.00	.....	5.22	.87	6.09	.....
Plainfield	46.00	.....	1.65	1.01	2.66	.....
Roxbury	61.00	.....	3.23	1.23	4.46	.....
Waitsfield	43.00	.....	4.32	.30	4.62	.....
Warren	66.00	.....	4.98	.50	5.48	.....
Waterbury	75.00	.05	4.73	1.34	6.12	.....
Woodbury	70.00	.....	5.21	.55	5.76	.....
Worcester	45.00	.....	2.65	.59	3.24	.....
Total	1,191.00	.28	76.16	22.91	99.35	8.34

VERMONT—Continued.

TABLE 18.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.				
		Macadam.	Gravel.	Gravel telford.	Total surfaced.	Percentage of total surfaced.
Windham:						
Athens	22.00	.....	1.96	0.67	2.63	.....
Brattleboro	95.00	0.40	6.18	1.25	7.83	.....
Brookline	19.00	.....	2.00	.06	2.06	.....
Dover	51.00	.....	7.26	.77	8.03	.....
Dummerston	73.00	.....	5.63	.20	5.83	.....
Grafton	61.00	.....	2.36	.74	3.10	.....
Guilford	88.00	.....	5.42	.80	6.22	.....
Halifax	82.00	.....	6.06	.36	6.42	.....
Jamaica	86.00	.....	6.30	.....	6.30	.....
Londonderry	71.00	.....	6.81	1.96	8.77	.....
Marlboro	80.00	.....	7.79	.54	8.33	.....
Newfane	82.00	.....	6.92	.....	6.92	.....
Putney	64.00	.13	4.60	.60	5.33	.....
Rockingham	79.00	.39	6.88	.98	8.25	.....
Somerset	10.00	.....	1.45	.....	1.45	.....
Stratton	24.00	.....	4.09	.10	4.19	.....
Townshend	79.00	.....	6.89	1.07	7.96	.....
Vernon	29.00	.....	4.45	.02	4.47	.....
Wardsboro	68.00	.....	3.23	.14	3.37	.....
Westminster	80.00	.....	7.19	.02	7.21	.....
Whitingham	91.00	.....	6.52	.88	7.40	.....
Wilmington	77.00	.....	6.35	.61	6.96	.....
Windham	46.00	.....	5.84	1.79	7.63	.....
Total	1,457.00	.92	122.18	13.56	136.66	9.37
Windsor:						
Andover	47.00	.....	3.49	.30	3.79	.....
Baltimore	8.00	.....	.51	.34	.85	.....
Barnard	99.00	.....	8.93	.29	9.22	.....
Bethel	93.00	.....	5.80	.92	6.72	.....
Bridgewater	64.00	.....	6.18	.31	6.49	.....
Cavendish	59.00	.....	5.12	1.31	6.43	.....
Chester	104.00	.....	4.70	1.41	6.11	.....
Hartford	130.00	.....	16.86	.21	17.07	.....
Hartland	108.00	.....	11.17	.42	11.59	.....
Ludlow	67.00	.....	5.90	1.33	7.23	.....
Norwich	104.00	.....	13.51	.....	13.51	.....
Plymouth	80.00	.....	6.79	.11	6.90	.....
Pomfret	90.00	.....	10.71	.....	10.71	.....
Reading	73.00	.....	5.73	.23	5.96	.....
Rochester	80.00	.....	8.42	.95	9.37	.....
Royalton	91.00	.....	8.34	.....	8.34	.....
Sharon	64.00	.....	14.14	.06	14.20	.....
Springfield	110.00	.....	13.44	.....	13.44	.....
Stockbridge	66.00	.....	2.83	1.75	4.58	.....
Weathersfield	99.00	.....	8.42	1.11	9.53	.....
Weston	58.00	.....	3.38	2.61	5.99	.....
West Windsor	54.00	.....	4.10	.52	4.62	.....
Windsor	33.00	.....	5.35	1.03	6.38	.....
Total	1,781.00	.....	173.82	15.21	189.03	10.61
Grand total	14,248.66	1.94	1,165.42	274.67	1,442.03	10.12

MASSACHUSETTS.

TABLE 19.—*Miles of public roads outside of incorporated cities, 1914.*

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Pavement.[1]	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Barnstable:									
Barnstable	190.00	30.00	24.00	4.00					82.00
Bourne	106.50	2.00	7.50	25.00					52.00
Brewster	57.00	12.00	8.00	7.00					
Chatham	50.00	1.50	7.00						29.50
Dennis	65.00	1.00	16.50						33.50
Eastham	45.00		6.50						32.50
Falmouth	160.00		38.00	94.00					28.00
Harwich	80.00	3.50	12.50						13.00
Mashpee	55.00			4.50					42.50
Orleans	33.00		10.00						6.00
Provincetown	12.00	3.00	3.00						6.00
Sandwich	80.00		5.50	15.00					49.50
Truro	70.00		7.00	8.00					40.00
Wellfleet	42.50	1.50	8.00	5.00					8.00
Yarmouth	69.00	1.00	18.00						20.00
Total	1,115.00	55.50	171.50	162.50		389.50	34.90	91.26	442.50
Berkshire:									
Adams	52.21		3.66	18.18	0.89				29.48
Alford	21.00			10.00					
Becket	81.00		9.00						52.00
Cheshire	68.00		4.50	1.20					.80
Clarksburg	15.00		1.20	5.00					5.80
Dalton	35.00	3.50	4.00	10.00					
Egremont	36.00			16.00					
Florida	51.50			11.50					
Great Barrington	82.00	2.00	2.75	51.12	.88				
Hancock	25.50		3.00	17.50					
Hinsdale	33.50	1.50		1.00					1.00
Lanesboro	53.00		2.50	6.00					30.50
Lee	61.00	5.50	4.10	26.80					24.60
Lenox	55.75		17.75	16.00					16.00
Monterey	48.00			4.00					34.00
Mount Washington	21.00			1.00					18.00
New Ashford	13.00			3.00					7.00
New Marlboro	102.00			10.00					85.00
Otis	60.00			3.50					3.50
Peru	45.00								3.00
Richmond	63.00	3.00		10.00					40.00
Sandisfield	100.00	4.00							
Savoy	63.25			2.25					55.00
Sheffield	100.00		3.00	31.00					
Stockbridge	44.20	10.00	1.00	33.20					
Tyringham	29.00	1.00		9.00					
Washington	51.00			2.00					1.00
West Stockbridge	45.00	2.00		23.00					10.00
Williamstown	67.00		3.00	15.40	.60				27.00
Windsor	82.75	5.00		1.25					
Total	1,604.66	37.50	59.46	338.90	2.37	438.23	27.30	58.59	443.68
Bristol:									
Acushnet	31.25	14.35	3.40						13.50
Berkley	49.00		1.00	44.00					4.00
Dartmouth	112.75	42.00	4.75	3.00					60.50
Dighton	45.00		9.00						36.00
Easton	63.00	17.20	.80	39.00	4.00				2.00
Fairhaven	38.00	8.00	1.50	10.00	.50				8.00
Freetown	67.00	8.50	4.00	46.50					
Mansfield	65.00	1.50	2.50	33.00					17.00
North Attleboro	91.70	15.00	12.00	15.00	.65				29.05
Norton	65.00		7.00	56.75					.50
Raynham	50.00	1.50	3.00	40.50					
Rehoboth	107.50	2.50	6.50	78.50					
Seekonk	52.00	6.00	5.50	32.00					5.00
Somerset	27.00	10.00	.50	16.50					
Swansea	49.50	1.50	9.75	28.25					9.00
Westport	110.00	35.00		16.00					51.75
Total	1,023.70	163.05	71.20	459.00	5.15	698.40	68.20	−165.04	236.30

[1] Report says pavement; classification not given.

MASSACHUSETTS—Continued.

TABLE 19.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Pavement.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Dukes:									
Chilmark	34.50		8.00						14.50
Edgartown	30.25	3.25	2.50	1.50	1.00				2.00
Gay Head	3.25		.50						2.75
Gasnold	1.00			1.00					
Oak Bluffs	31.00		3.00		20.00				3.00
Tisbury	14.10	2.10	5.00	3.00					4.00
West Tisbury	49.00	5.50	3.50						30.00
Total	163.10	10.85	22.50	5.50	21.00	59.85	36.70	8.79	56.25
Essex:									
Amesbury	70.40	7.50	2.50	18.00	.40				42.00
Andover	88.00	1.75	4.25	80.00					
Boxford	50.00			20.00					30.00
Danvers	90.00	5.00	1.00	76.00					5.00
Essex	22.30		1.50	17.80					2.00
Georgetown	32.00	1.00	.75	24.00					
Groveland	30.00		6.10	22.40					
Hamilton	38.00		5.00	29.00					
Ipswich	60.00		6.00	48.00					
Lynnfield	20.00			15.00					5.00
Manchester	17.50		10.00	7.50					
Marblehead	34.00	1.50	6.00	2.50					
Merrimac	35.00		2.50	21.00					10.00
Methuen	90.00	14.00	40.00	26.00					
Middleton	31.00		3.00	28.00					
Nahant	11.00	2.75	3.25	3.00					2.00
Newbury	43.00		4.25	28.00					5.75
North Andover	100.00	15.00	10.00	51.90	3.10				
Peabody	54.00	7.00	.75	42.50	.50				
Rockport	27.00	7.00	3.12	4.38					.50
Rowley	40.00		3.64	19.36					12.00
Salisbury	35.00		4.50	26.50					
Saugus	81.00	.75	2.50	50.00					
Swampscott	28.50	7.00	3.50	9.00	1.00				2.50
Topsfield	41.00			10.00					31.00
Wenham	20.00		3.00	17.00					
West Newbury	44.00	.50	5.50	38.00					
Total	1,232.70	70.75	132.61	734.84	5.00	943.20	76.50	77.48	147.75
Franklin:									
Ashfield	86.00			4.00					73.00
Bernardston	59.50			52.50					
Buckland	45.00	4.33		10.00					25.67
Charlemont	55.00		1.40	14.60					
Colrain	86.00		2.00	10.00					67.00
Conway	90.00			2.90	.10				84.00
Deerfield	68.00		8.00	20.00					40.00
Erving	28.17	.17	10.12						17.88
Gill	34.00			3.00					24.00
Greenfield	64.32		21.23	8.73	.18				34.18
Hawley	55.00			3.50					6.50
Heath	55.00			3.50					30.00
Leverett	40.00			4.00					32.00
Leyden	32.00			3.50					22.50
Monroe	24.00			4.00					
Montague	95.00	8.25	5.75	40.00					41.00
New Salem	80.00			4.67					35.33
Northfield	75.00	1.50	4.25	48.50					
Orange	80.00	1.00	5.00	8.75					65.25
Rowe	48.00			2.50					30.50
Shelburne	47.31	1.10	1.21	20.00					17.69
Shutesbury	50.00			3.00					4.00
Sunderland	38.75	4.50	2.00	6.00					26.25
Warwick	70.00			5.00					50.00
Wendell	58.00			4.00					24.00
Whately	43.00	4.00	4.00	5.00					8.00
Total	1,507.05	24.85	64.96	291.65	.28	381.74	25.30	215.72	758.75

MASSACHUSETTS—Continued.

TABLE 19.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Pavement.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Hampden:									
Agawam	57.50		11.50	26.00					20.00
Blandford	98.00		4.50						44.50
Brimfield	66.00	4.00		4.00					57.00
Chester	80.00		7.00	3.00					50.00
East Longmeadow	39.50	4.50		4.00					31.00
Granville	80.00			5.00					70.00
Hampden	32.00			12.00					17.00
Holland	30.00								3.00
Longmeadow	34.50	.45	2.20	11.25	1.10				
Ludlow	70.00	.20		2.00					59.80
Monson	127.50	5.00	1.50	1.00					100.00
Montgomery	30.00			8.00					17.00
Palmer	95.00	3.50	2.25	20.00	.25				67.00
Russell	27.00		2.66	11.00					9.34
Southwick	60.00			11.00					49.00
Tolland	41.00	1.00		7.00					26.00
Wales	29.00			5.00					18.00
West Springfield	97.00	5.00	30.00	20.00	2.00				40.00
Westfield	102.00	9.37	5.83	24.80					42.00
Wilbraham	47.00		5.00	5.00					26.00
Total	1,243.00	33.02	72.44	180.05	3.35	288.86	23.20	−11.44	746.64
Hampshire:									
Amherst	75.00	3.50	2.75	62.75					
Belchertown	140.00	3.25		3.00					83.75
Chesterfield	56.00			3.00					
Cummington	60.00			5.00					55.00
Easthampton	56.00	8.00	2.11	.40					44.50
Enfield	40.00			5.50					14.50
Goshen	32.00		2.50	2.00					21.50
Granby	55.25	5.75							48.50
Greenwich	42.00			1.50					
Hadley	62.00	2.50	5.00	3.00					49.50
Hatfield	56.50	6.00	4.00	4.50					24.00
Huntington	50.00		2.50	7.50					
Middlefield	35.00			5.00					20.00
Pelham	38.00			2.50					28.50
Plainfield	42.50			2.00					34.00
Prescott	44.00			4.00					30.00
South Hadley	50.00	7.00	7.50	27.00					8.50
Southampton	75.00	.75		2.75					61.50
Ware	92.00	5.80	1.00	40.00	.20				39.00
Westhampton	49.00			5.00					35.00
Williamsburg	43.00	4.00		3.00					13.00
Worthington	75.00			2.00					50.00
Total	1,268.25	46.55	28.35	193.90	.20	269.00	21.20	21.73	658.25
Middlesex:									
Acton	76.00	5.00	5.00	20.00					45.00
Arlington	69.50	13.60	9.00	23.40	.10				15.40
Ashby	70.00	1.53	3.56						54.91
Ashland	46.25	.50	2.75	42.00					
Ayer	30.00		1.00	9.00					10.00
Bedford	29.70	9.00	.60	11.70					3.90
Belmont	30.20	5.80	4.50	18.70					
Billerica	66.00	3.00	2.00	37.67					
Boxboro	29.25	2.00	1.25	14.00					7.00
Burlington	41.25	2.75	5.00	28.50					
Carlisle	60.00			18.00					12.00
Chelmsford	92.00		3.75	88.25					
Concord	87.83		12.50	60.00	.33				5.00
Dracut	65.00	4.00	4.50	31.50					22.00
Dunstable	35.00			14.00					12.00
Framington	100.00		7.00	50.00					30.00
Groton	71.00	3.00	1.50	59.50					
Holliston	54.00		5.00	9.00					35.00
Hopkinton	69.00	2.00		33.00					24.00
Hudson	43.00	1.00	2.00	30.00					
Lexington	80.00	18.00	12.00	35.00					
Lincoln	43.00	5.00	3.00	20.00					10.00
Littleton	46.00	1.25	4.75	40.00					
Maynard	25.00		5.00	14.00					1.00
Natick	102.00	4.75	3.25	86.00					8.00
North Reading	36.25		11.25	15.00					7.00

MASSACHUSETTS—Continued.

TABLE 19.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Pavement.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Middlesex—Continued.									
Pepperell	75.00	1.25	2.00	4.00					67.75
Reading	48.00	3.00	9.50	21.00					11.50
Sherborn	50.00			43.00					7.00
Shirley	42.00	1.14		4.36					28.50
Stoneham	37.50	.90	3.10	17.00					16.50
Stow	45.00			25.00					18.00
Sudbury	60.00		5.00	40.00					15.00
Tewksbury	65.00	1.00	8.00	48.00					
Townsend	80.00		6.00	8.00					58.00
Tyngsboro	41.00	7.00		12.00					11.00
Wakesfield	48.00	9.20	4.50	34.00	.30				
Watertown	56.25	18.50	17.50	20.10	.15				
Wayland	52.00		2.50	36.00					8.50
Westford	90.00			90.00					
Weston	49.00	2.00	7.75	39.25					
Wilmington	52.50		4.50	48.00					
Winchester	43.00		25.60	12.90					
Total	2,431.48	128.17	206.16	1,350.33	.88	1,685.54	69.30	−193.43	438.41
Nantucket: Nantucket	114.00		7.50			7.50	6.60	− 7.98	29.00
Norfolk:									
Avon	10.00	.50	.50	8.00					
Bellingham	44.00	.82	3.18	9.25					30.75
Braintree	50.00		17.50	32.50					
Brookline	71.09	13.35	46.43	10.05	1.26				
Canton	40.00		3.25	36.75					
Cohasset	26.11		11.65	14.46					
Dedham	55.50	20.00	7.00	26.00	.50				2.00
Dover	38.19		2.19	36.00					
Foxboro	52.00	3.50	3.50	45.00					
Franklin	76.00	1.00	5.77	11.00					43.23
Holbrook	20.00		1.75	18.25					
Medfield	40.00			36.00					
Medway	40.00		3.00	37.00					
Millis	34.00			17.00					
Milton	55.00	15.00	16.00	24.00					
Needham	45.00		17.00	26.00					
Norfolk	46.45		1.45	10.00					35.00
Norwood	40.00	2.50	4.00	32.00					1.50
Plainville	35.00	.10	2.30						27.60
Randolph	30.75	.25	2.50	25.00					
Sharon	68.67	.67		30.00					28.00
Stoughton	56.50		5.50	10.00					40.00
Walpole	65.00		5.00	60.00					
Wellesley	55.00	10.00	10.00	30.00					5.00
Westwood	32.00		2.00	27.00					
Weymouth	75.00	3.00	8.00	64.00					
Wrentham	63.00		6.00						54.00
Total	1,264.26	70.69	185.47	682.26	1.76	940.18	74.40	− 98.14	260.08
Plymouth:									
Abington	58.00		5.00	40.00					13.00
Bridgewater	70.69	5.00	6.25	42.00					15.75
Carver	67.00	13.00		24.00					10.00
Duxbury	90.00		6.50	60.00					23.50
East Bridgewater	49.50	5.00		44.50					
Halifax	32.25	2.25		15.00					15.00
Hanover	45.00	3.00		21.00					21.00
Hanson	34.00	8.00		26.00					
Hingham	84.00	1.00	8.71	52.04					14.00
Hull	25.70		4.20	20.50					1.00
Kingston	40.00		5.00	8.00					24.00
Lakeville	65.00	2.50	10.75	5.00					46.75
Marion	25.38	10.25	10.38						4.00
Marshfield	77.00	1.50	9.00	30.00					21.50
Mattapoisett	33.00	3.25	2.50	27.25					
Middleboro	196.00	4.00	8.40	78.60					54.00
Norwell	50.60		.33	4.67					44.60
Pembroke	57.00	1.50	.50	44.50					5.50
Plymouth	208.00	3.51	9.02	40.47					45.00
Plympton	34.00			15.00					15.00
Rochester	85.00	8.00	5.00	2.00					30.00

MASSACHUSETTS—Continued.

TABLE 19.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.							Graded and drained earth roads.
		Macadam.		Gravel.	Pavement.[1]	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.						
Plymouth—Continued.									
Rockland	36.50	4.75	3.10	25.65	.....	.....	.....	.....	.....
Scituate	56.00	.....	13.00	43.00	.....	.....	.....	.....	.....
Wareham	135.00	6.00	18.00	25.00	0.50	.....	.....	.....	20.00
West Bridgewater	44.00	.....	4.00	40.00	.....	.....	.....	.....	.....
Whitman	34.75	3.00	5.00	23.25	.....	.....	.....	.....	2.00
Total	1,731.68	85.51	134.64	758.18	.50	978.83	56.50	−453.61	424.85
Suffolk: Winthrop	26.00	.80	6.20	19.00	.....	26.00	100.00	− 37.60	.....
Worcester:									
Ashburnham	125.00	.....	.....	.....	.....	.....	.....	.....	100.00
Athol	86.00	.....	4.60	3.00	.78	.....	.....	.....	77.62
Auburn	47.00	.....	5.00	.....	.....	.....	.....	.....	42.00
Barre	122.00	14.00	3.00	5.00	.....	.....	.....	.....	75.00
Berlin	37.00	.....	.....	23.50	.....	.....	.....	.....	.....
Blackstone	52.00	.....	3.73	29.27	.....	.....	.....	.....	.....
Bolton	55.00	.....	.....	55.00	.....	.....	.....	.....	.....
Boylston	31.50	4.50	.....	5.00	.....	.....	.....	.....	17.00
Brookfield	60.50	.50	6.00	.....	.....	.....	.....	.....	54.00
Charlton	130.00	1.10	7.90	.25	.....	.....	.....	.....	107.75
Clinton	35.28	12.60	1.58	18.10	.....	.....	.....	.....	3.00
Dana	50.00	.....	.....	3.50	.....	.....	.....	.....	16.50
Douglas	75.00	4.20	2.20	.60	.....	.....	.....	.....	68.00
Dudley	65.00	.50	2.25	4.75	.....	.....	.....	.....	52.50
Gardner	75.00	2.00	3.50	65.90	.10	.....	.....	.....	.50
Grafton	73.00	2.50	5.18	8.50	.....	.....	.....	.....	45.82
Hardwick	85.82	.....	.....	5.00	.82	.....	.....	.....	.....
Harvard	66.00	3.00	3.00	2.00	.....	.....	.....	.....	32.00
Holden	87.00	5.50	.....	.50	.....	.....	.....	.....	.....
Hopedale	16.60	3.46	2.61	9.03	.....	.....	.....	.....	1.50
Hubbardston	80.00	.....	.....	5.00	.....	.....	.....	.....	65.00
Lancaster	70.00	2.00	1.25	51.75	.....	.....	.....	.....	.....
Leicester	68.50	5.50	.....	32.00	.....	.....	.....	.....	31.00
Leominster	99.44	10.00	9.13	48.00	.12	.....	.....	.....	22.19
Lunenburg	80.00	.....	6.00	62.00	.....	.....	.....	.....	2.00
Mendon	44.00	.....	.....	5.00	.....	.....	.....	.....	20.00
Milford	80.00	4.00	8.00	30.00	.....	.....	.....	.....	38.00
Millbury	50.00	1.40	4.60	.....	.15	.....	.....	.....	41.85
New Braintree	55.00	.50	.....	.75	.....	.....	.....	.....	53.75
North Brookfield	67.00	5.00	.....	.....	.....	.....	.....	.....	62.00
Northboro	55.00	.....	5.00	25.00	.....	.....	.....	.....	.....
Northbridge	43.00	.....	3.00	30.00	.....	.....	.....	.....	.....
Oakham	50.00	.....	.....	10.00	.....	.....	.....	.....	10.00
Oxford	75.00	.....	4.25	15.00	.....	.....	.....	.....	46.75
Paxton	37.00	.....	3.50	2.00	.....	.....	.....	.....	28.00
Petersham	70.00	.....	.....	4.50	.....	.....	.....	.....	21.00
Phillipston	46.00	.....	5.50	4.50	.....	.....	.....	.....	26.00
Princeton	77.00	3.50	.....	5.00	.....	.....	.....	.....	65.00
Royalston	85.75	.....	.....	1.25	.....	.....	.....	.....	.....
Rutland	85.00	.....	1.12	2.00	.....	.....	.....	.....	48.88
Shrewsbury	62.00	.....	5.00	18.00	.....	.....	.....	.....	34.00
Southboro	60.00	3.00	3.69	52.31	.....	.....	.....	.....	1.00
Southbridge	69.50	1.00	1.50	3.00	1.50	.....	.....	.....	59.50
Spencer	92.00	1.60	5.40	.....	.60	.....	.....	.....	77.40
Sterling	81.00	.....	8.35	2.00	.....	.....	.....	.....	70.65
Sturbridge	90.00	.....	4.00	71.00	.....	.....	.....	.....	.....
Sutton	92.00	1.50	2.25	27.50	.....	.....	.....	.....	60.75
Templeton	88.50	2.00	6.50	10.00	.....	.....	.....	.....	67.50
Upton	64.00	.....	.....	50.00	.....	.....	.....	.....	9.00
Uxbridge	81.00	1.00	4.75	2.00	.....	.....	.....	.....	65.25
Warren	72.00	.....	8.00	20.00	.....	.....	.....	.....	38.00
Webster	36.13	3.50	10.50	11.00	.13	.....	.....	.....	11.00
West Boylston	42.00	5.00	3.00	30.00	.....	.....	.....	.....	4.00
West Brookfield	55.00	.....	4.00	2.00	.....	.....	.....	.....	43.00
Westboro	65.00	1.00	.25	61.25	.....	.....	.....	.....	2.50
Westminster	94.00	.....	5.25	82.75	.....	.....	.....	.....	.....
Winchendon	120.00	1.70	.....	72.00	.....	.....	.....	.....	19.30
Total	3,956.52	107.06	174.34	1,113.46	4.20	1,399.06	35.40	536.38	1,811.46
Grand total	18,681.40	834.30	1,337.33	6,289.57	44.69	8,505.89	45.53	42.71	6,453.92

RHODE ISLAND.

TABLE 20.—*Miles of public roads outside of incorporated cities, 1914.*

County and town.	Total mileage, all roads.	Surfaced roads.						Graded and drained earth roads.
		Macadam.		Gravel.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.					
Bristol:								
Barrington	28.60	3.53	5.37	19.70	28.60	63.35	5.96	.....
Bristol	37.00	4.63	5.33	5.00	14.96			20.40
Warren	25.25	5.16	2.84	6.00	14.00			8.00
Kent:								
Coventry	126.00	18.45	2.51	10.00	30.96	25.50	36.54	25.00
East Greenwich	65.00	2.00	.50	13.00	15.50			12.00
Warwick	96.00	7.50	13.51	10.00	31.01			22.00
West Greenwich	94.00	5.37	.....	3.00	8.37			10.00
West Warwick	34.00	8.00	.....	12.00	20.00			6.00
Newport:								
Jamestown	18.00	5.00	1.00	12.00	18.00	39.78	10.84	.....
Little Compton	47.00	6.59	2.27	.....	8.86			10.00
Middletown	36.00	10.00	2.00	4.00	16.00			20.00
New Shoreham	31.00	5.00	1.00	.....	6.00			25.00
Portsmouth	31.00	12.00	.....	5.50	17.50			.....
Tiverton	55.00	16.15	4.23	.....	20.38			10.00
Providence:								
Burrillville	120.00	17.00	3.63	6.00	26.63	29.37	−261.08	20.00
Cumberland	90.00	18.00	7.00	2.00	27.00			60.00
East Providence	60.65	17.00	[1] 11.65	5.00	33.65			12.00
Foster	108.00	3.98	2.44	4.00	10.42			17.00
Gloucester	104.50	7.01	8.09	.....	15.10			20.00
Johnston	55.00	18.01	4.71	12.00	34.72			5.00
Lincoln	51.00	5.78	.48	20.50	26.76			7.00
North Providence	21.50	7.48	1.57	8.00	17.05			.....
North Smithfield	54.50	7.60	4.82	6.00	18.42			10.00
Smithfield	70.00	8.00	.....	12.00	20.00			10.00
South Scituate	118.50	10.97	.....	10.00	20.97			22.00
Washington:								
Charleston	55.00	11.07	1.08	.....	12.15	32.51	−140.91	.....
Exeter	102.00	9.76	.....	5.00	14.76			7.00
Hopkinton	87.00	12.00	.....	.....	12.00			.....
Narragansett	30.00	8.26	10.44	6.00	24.70			.....
North Kingston	77.00	17.23	4.27	10.00	31.50			10.00
Richmond	76.50	14.25	.....	.....	14.25			16.00
South Kingston	97.00	21.14	7.66	10.50	39.30			12.00
Westerly	67.70	29.00	2.00	12.90	43.90			.....
Total	2,169.70	352.92	110.40	230.10	693.42	31.65	−348.65	396.40

[1] Includes 3 miles of granite block.

TABLE 21.—*Miles of public roads outside of incorporated cities, 1914.*

County and town.	Total mileage, all roads.	Surfaced roads.									Graded and drained earth roads.
		Macadam.		Gravel.	Sand-clay.	Brick, paved.	Concrete.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.								
Fairfield:											
Bethel	40.00	2.61		15.85	15.77			34.23			0.77
Brookfield	62.00	1.32		5.00				6.32			2.66
Danbury	150.00	3.45		58.78				62.23			60.00
Darien	64.32	1.00	3.87	5.00			0.45	10.32			54.00
Easton	70.00	2.20	1.90	.52				4.62			4.13
Fairfield	158.00	10.58	4.78	20.00				35.36			75.15
Greenwich	150.00	6.94	5.87	67.00				79.81			70.19
Huntington	110.00	5.00		12.00				17.00			40.61
Monroe	100.00	.19		2.63				2.82			4.54
New Canaan	85.00	5.85	1.32	20.00				27.17			
New Fairfield	48.00			5.00	1.00			6.00			30.00
Newtown	400.00	3.68		11.32				15.00			15.00
Redding	90.00	1.34		1.90				3.24			12.51
Ridgefield	200.00	4.91	1.10	11.40				17.41			3.71
Sherman	57.00	.80		1.00	30.00			31.80			1.94
Stamford	125.00	14.04	.97	30.00	22.00			67.01			20.00
Stratford	84.50	2.89	4.17	12.75	45.00	.02		64.83			1.22
Trumbull	60.00	3.34	5.26	3.06				11.66			10.15
Weston	70.00			4.00				4.00			20.00
Westport	100.00	8.82	4.39	.31	80.00	.15	.54	94.21			
Wilton	75.00			16.01	2.00			18.01			3.72
Total	2,298.82	78.96	33.63	303.53	195.77	.17	.99	613.05	26.66	111.26	430.30
Hartford:											
Avon	58.00	10.00		.57				10.57			28.22
Berlin	154.00	10.06		6.00	10.00			26.06			.63
Bloomfield	95.00	20.00						20.00			25.00
Burlington	75.00	.93		4.00				4.93			15.00
Canton	60.00	2.66		9.04				11.70			2.19
East Granby	40.00	5.00		10.00				15.00			15.73
East Hartford	70.00	14.44	5.57			.03	.85	20.89			12.00
East Windsor	125.00	7.00	1.95	9.00				17.95			20.00
Enfield	75.00	15.00	1.45	20.00		.04	.05	36.54			
Farmington	240.00	17.00	6.62		40.00			63.62			110.00

Glastonbury	120.00	9.00	2.36	7.00				18.36			25.11
Granby	142.00	9.00		.45	10.00			19.45			70.00
Hartland	80.00										17.09
Manchester	89.00	11.58		30.00			1.93	43.51			25.00
Marlboro	40.00	2.23						2.23			20.00
Newington	30.00	14.58	.13		10.00			24.71			
Plainville	22.00	6.73	.75	4.00	2.00			13.48			3.50
Rocky Hill	40.00	6.95						6.95			25.00
Simsbury	50.00	26.14	1.69	5.01				32.84			1.17
Southington	140.00	15.00		6.43	9.00	.04		30.47			1.21
South Windsor	66.00	2.72	6.66	1.55	10.00			20.93			
Suffield	129.00	29.00	2.30	75.00				106.30			22.70
West Hartford	65.00	27.99	4.29				3.07	35.35			
Wethersfield	50.00	19.00	4.17	.19			.02	23.38			12.00
Windsor	76.00	10.00	.85	24.00		.13	2.93	37.91			17.00
Windsor Locks	30.00	4.82	.63	5.00				10.45			3.00
Total	2,161.00	296.83	39.42	217.24	91.00	.24	8.85	653.58	30.24	[1] — 91.11	471.55
Litchfield:											
Barkhamsted	85.00			10.00				10.00			7.92
Bethlehem	53.00	4.23		.75	3.00			7.98			.99
Bridgewater	60.00			4.01				4.01			3.49
Canaan	66.00			7.57				7.57			1.60
Colebrook	65.00			8.03				8.03			7.00
Cornwall	105.00	.60		.20				.80			11.97
Goshen	93.00	5.25		.27				5.52			6.57
Harwinton	80.00	.65		4.58				5.23			3.56
Kent	115.00			3.50				3.50			1.78
Litchfield	158.00	10.76		3.22				13.98			45.75
Morris	40.00	2.30		1.58				3.88			4.39
New Hartford	110.00	6.00		3.63				9.63			20.25
New Milford	285.00	13.00		3.87	20.00			36.87			152.14
Norfolk	35.00	4.92		5.65				10.57			7.15
North Canaan	45.00	8.00		6.18				14.18			
Plymouth	100.00	4.21		.83	6.00		.75	11.79			1.79
Roxbury	90.00	3.50						3.50			3.72
Salisbury	96.00	.90	.81	8.22	15.00		.08	25.01			3.59
Sharon	140.00	2.22		3.29	10.00			15.51			1.77
Thomaston	55.00	5.41		8.46	10.00			23.87			1.21
Torrington	177.00	10.00		33.53	5.00			48.53			116.27
Warren	180.00				10.00			10.00			28.47
Washington	78.00	6.10		1.50				7.60			1.00
Watertown	105.00	2.26		4.74		.06		7.06			1.30
Winchester	120.00	10.00	.33	7.00	5.00			22.33			35.00
Woodbury	90.00	.74		5.19				5.93			7.15
Total	2,626.00	101.05	1.14	135.80	84.00	.06	.83	322.88	12.29	51.09	475.83

[1] The mileage of surfaced roads reported for Hartford County for 1909 exceeded the mileage reported for 1914 by 91.11 miles; and for New Haven County by 71.18 miles.

TABLE 21.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.									Graded and drained earth roads.
		Macadam.		Gravel.	Sand-clay.	Brick, paved.	Concrete.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.								
Middlesex:											
Chatham	108.00	3.03		1.07	3.00			7.10			3.21
Chester	40.00	4.58			20.00			24.58			2.19
Clinton	35.00	5.32					0.31	5.63			4.18
Cromwell	35.00	7.00	1.22	4.00				12.22			10.00
Durham	75.00	9.58						9.58			
East Haddam	200.00	6.26			20.00			26.26			.01
Essex	35.00	20.00	1.43	2.27				23.70			3.00
Haddam	115.00	1.07		9.26				10.33			59.00
Killingworth	140.00										2.89
Middlefield	33.00	11.04		1.50				12.54			
Middletown	175.00	21.31	1.21	22.21	30.00		1.03	75.76			15.01
Old Saybrook	45.00	11.24		2.18	20.00			33.42			2.10
Portland	90.00	10.50	2.38	.29				13.17			37.98
Saybrook	30.00	3.45	1.10		5.00			9.55			.12
Westbrook	30.00	3.70		3.68				7.38			1.99
Total	1,186.00	118.08	7.34	46.46	98.00		1.34	271.22	22.86	30.21	141.68
New Haven:											
Beacon Falls	20.00			4.00				4.00			16.00
Bethany	75.00			3.29	25.00			28.29			.47
Branford	100.00	6.00	2.45				1.29	9.74			74.34
Cheshire	110.00	.75		5.50			.75	7.00			53.17
East Haven	50.00	4.06	.40	2.00	5.00		.39	11.85			.09
Guilford	125.00	2.14		2.69		0.10		4.93			1.88
Hamden	42.00	11.00	.27				.61	11.88			11.02
Madison	100.00		1.67	7.37				9.04			5.91
Meriden	95.00	9.00	3.06	.21			1.18	13.45			30.54
Middlebury	60.00	2.00		5.45	9.75			17.20			4.47
Milford	85.00	4.10	.62	5.67			3.39	13.78			1.51
North Branford	60.00	10.00		5.00	10.00			25.00			10.00
North Haven	80.00	21.91					.02	21.93			
Orange	150.00	10.80	.59	2.19				13.58			25.00
Oxford	88.00			6.01				6.01			.33

Prospect	52.00										5.50
Seymour	120.00	2.50	.55	5.12	8.00	.02	1.15	17.34			3.61
Southbury	125.00	.44		8.13	10.00			18.57			1.03
Wallingford	158.00	7.10	13.14	2.50		.72	1.26	24.72			107.09
Wolcott	100.00			.80	1.00			1.80			2.91
Woodbridge	61.00	5.96		4.64				10.60			6.64
Total	1,856.00	97.76	22.75	70.57	68.75	.84	10.04	270.71	14.58	[1] — 71.18	361.51
New London:											
Bozrah	50.00	.31	1.69		4.00			6.00			3.74
Colchester	170.00	.34		7.55				7.89			1.42
East Lyme	55.00	2.40	3.00	3.33				8.73			4.13
Franklin	45.00	4.00		8.00	3.00			15.00			
Griswold	75.00	4.00		5.33	16.00		.84	26.17			.31
Groton	115.00	13.86			4.00			17.86			2.61
Lebanon	65.00	.93		3.31				4.24			2.82
Ledyard	85.00				3.00			3.00			4.66
Lisbon	100.00	2.03		6.94				8.97			.10
Lyme	40.00	2.50						2.50			10.08
Montville	125.00	10.00		1.29				11.29			65.00
North Stonington	80.00			8.28				8.28			5.25
Norwich	90.00	16.46		1.47	20.00			37.93			1.19
Old Lyme	40.00	6.00	1.50	10.04				17.54			
Preston	95.00	.97		6.00				6.97			1.80
Salem	48.00			1.86				1.86			.19
Sprague	32.00	1.71		3.20				4.91			.40
Stonington	104.00	3.28	5.00	3.65				11.93			6.11
Voluntown	62.00	.75		2.90				3.65			1.34
Waterford	70.00	29.85	1.85					31.70			.25
Total	1,546.00	99.39	13.04	73.15	50.00		.84	236.42	15.29	55.80	111.40
Tolland:											
Andover	35.00		1.50	5.51				7.01			1.67
Bolton	45.00	1.61		1.23				2.84			1.18
Columbia	60.00			7.77	35.75			43.52			2.56
Coventry	50.00	2.75		3.06				5.81			2.24
Ellington	100.00	.45		11.74	10.00			22.19			26.05
Hebron	85.00	2.00		.89				2.89			5.00
Mansfield	115.00	1.60		12.13				13.73			1.08
Somers	90.00	4.05	2.41	20.50		.02		26.98			20.00
Stafford	150.00	8.00	.57	3.10				11.67			.88
Tolland	106.00			1.49				1.49			6.73
Union	60.00			.54				.54			1.29
Vernon	75.00	22.24		15.00	15.00			52.24			
Willington	75.00			4.07				4.07			9.80
Total	1,046.00	42.70	4.48	87.03	60.75	.02		194.98	18.65	117.48	78.48

[1] The mileage of surfaced roads reported for Hartford County for 1909 exceeded the mileage reported for 1914 by 91.11 miles; and for New Haven County by 71.18 miles.

CONNECTICUT—Continued.

TABLE 21.—*Miles of public roads outside of incorporated cities, 1914*—Continued.

County and town.	Total mileage, all roads.	Surfaced roads.									Graded and drained earth roads.
		Macadam.		Gravel.	Sand-clay.	Brick, paved.	Concrete.	Total surfaced.	Percentage of total surfaced.	Increase in surfaced mileage over 1909.	
		Plain.	Bituminous.								
Windham:											
Ashford	105.00			0.09	15.00			15.09			2.99
Brooklyn	62.00	7.76		15.00				22.76			
Canterbury	100.00	2.00		1.17				3.17			1.44
Chaplin	72.00			9.00				9.00			27.00
Eastford	70.00			3.37				3.37			2.68
Hampton	65.00	.35		.44				.79			3.27
Killingly	150.00	17.03		26.49	12.00			55.52			18.91
Plainfield	94.00	16.94		6.84	25.00			48.78			
Pomfret	100.00	10.00	2.12	11.50				23.62			2.60
Putnam	70.00	21.00	1.19	4.68				26.87			25.14
Scotland	42.00	.87		2.49				3.36			3.10
Sterling	60.00	1.05		7.00				8.05			18.37
Thompson	100.00	1.37	3.17	5.79	70.00		0.69	81.02			
Windham	95.00	2.00		17.00			.64	19.64			40.49
Woodstock	156.00	8.28		13.29	70.00			91.57			2.49
Total	1,341.00	88.65	6.48	124.15	192.00		1.33	412.61	30.76	117.62	148.48
Grand total for State	14,060.82	923.42	128.28	1,057.93	840.27	1.33	24.22	2,975.45	21.16	321.18	2,219.23